

Code	Description	Grade	Changed	Program	Career Cluster 1	Career Cluster 2	Career Cluster 3	Career Cluster 4	Career Cluster 5	Career Cluster 6	Career Cluster 7
0131	<b>Agricultural Explorations - Recommended for Students Grades 7</b> - Surveys a wide array of topics within the agricultural industry, exposing students to the many and varied types of agricultural career opportunities and to those in related fields. As the name implies, these courses serve simply to introduce the agricultural field, providing students the opportunity to identify and focus for continued study. Primarily designed for seventh and/or eighth grade.	7									
0132	<b>Agricultural Science - Recommended for Students Grades 8</b> - Surveys a wide array of topics within the agricultural industry, exposing students to the main and varied types of agricultural career opportunities and to those in related fields. This course serves as a stage two, building upon the seventh grade class.	8									
0133	<b>Introduction to the Science of Agriculture - Recommended for Students Grades 9-10</b> - The local, national, and global definitions, history, and scope of agriculture in society is covered in this course. It also covers plant and animal sciences, production and processing; agricultural mechanics, including tool and machine operation; business and natural resource management; management of food and fiber systems; soil characteristics, formation and properties; and development of leadership and communication skills.	9-10			Agriculture, Food and Natural Resources						

0134	<p><b>Intro to the Physical Science of Agriculture - Recommended for Students Grades 10 - 12</b> - The course covers the global market place, development of a Program of Activities, and leadership development. Animal science emphasis is on the selection, reproduction and genetics of breeds of beef, sheep, and swine, dairy cattle, horses, poultry, and specialty animals. Plant science emphasis is on the structure and function of plant parts; identification of common pasture and range plants; plant growth and development; sexual and asexual reproduction of plants. Soil science topics include nutrients, fertilizers, and organic matter; conservation practices and sampling techniques.</p>	10-12			Agriculture, Food and Natural Resources						
0136	<p><b>Applied Science in Agriculture - Recommended for Students Grades 10 - 12</b> - Specific subject matter covered in this course includes current issues relevant to the agricultural industry, marketing and sales techniques. Disease and parasites affecting the various breeds of livestock; Animal welfare and relationship to the human environment; May include the horticultural practices of greenhouse management; fruit, nut and vegetable production; and landscaping principles; Forest fire prevention and techniques, public and private land forests; Wildlife mammals, waterfowl, freshwater fish, and game management.</p>	10-12			Agriculture, Food and Natural Resources						
0137	<p><b>Agricultural Leadership/Communication - Recommended for Students Grades 10 - 12</b> - Course is designed to strengthen students' personal and group leadership skills. Topics such as public speaking, effective communication, human relations, parliamentary law, and group dynamics are covered. Also covered is the development of Programs of Activity, and Service Learning projects, including student development, chapter development, and community development.</p>	10-12			Marketing Sales and Service	Government and Public Administration	Business Management and Administration				
0141	<p><b>Science-Horticulture/Botany - Recommended for Students Grades 10 - 12</b> - The focus of this course is on the science of plants (botany). Specific topics include photosynthesis and respiration, analysis of the difference of plant and animal cell structure, genetics, taxonomy and classification. Also included are topics covering entomology, soil chemistry, and plant diseases; virus and bacteria life cycles and effects on plant growth. Focus is on horticultural crops including greenhouse, landscape and floral plants.</p>	10-12			Agriculture, Food and Natural Resources						

0143	<b>Greenhouse/Nursery Operations - Recommended for Students Grades 10 - 12</b> - This course covers greenhouse/nursery operation and management. Plant propagation including grafting, budding, and layering. Students are often involved in the planning, management, and marketing associated with the school greenhouse/nursery.	10-12			Agriculture, Food and Natural Resources						
0144	<b>Landscape - Recommended for Students Grades 10 - 12</b> - Introduction to landscape design, construction, and maintenance. Irrigation systems for the landscape, including water conservation and use, and xeriscape for plants. Drawing instruments and symbols used in designing the landscape plan, identification and selection of landscape ground covers, shrubs, trees, and other construction materials. Cost estimates and landscaped proposals are also covered in this course.	10-12			Architecture and Construction	Agriculture, Food and Natural Resources					
0145	<b>Floriculture - Recommended for Students Grades 10 - 12</b> - Focus is on the floriculture industry including plant production, processing, marketing, and principles of floral design. Students are often involved in a simulated floral shop on the school grounds. Interior landscaping may also be included in this course.	10-12			Marketing Sales and Service						
0151	<b>Introduction to Agricultural Mechanics - Recommended for Students Grades 9 - 12</b> - Course provides for the skill and knowledge development applicable to the tools and equipment used in the agricultural industry. In learning to apply basic industrial knowledge and skills (engines, power, welding, and carpentry), a broad range of topics may be explored, including the operation, mechanics, and care of tools and machines; the construction and repair of structures; introduction to electricity and power. Procedures for safe operations in the agricultural mechanics laboratory are included in this course.	9-12			Transportation, Distribution and Logistics	Science, Technology, Engineering and Math	Architecture and Construction	Agriculture, Food and Natural Resources			

0152	<p><b>Agricultural Structures and Construction - Recommended for Students Grades 10 - 12 -</b> Topics include surveying, concrete and masonry, plumbing, drafting, carpentry and electrical wiring; use of bids and billing information to develop a complete materials list and project cost estimate; use of measurement and layout tools. Procedures for safe operations in the agricultural mechanics laboratory are included in this course.</p>	10-12			Agriculture, Food and Natural Resources	Science Technology Engineering and Math	Architecture and Construction				
0153	<p><b>Metal Fabrication for the Agricultural Industry - Recommended for Students Grades 10 - 12 -</b> Topics include oxyacetylene and mig welding techniques including cutting, brazing, and welding; Fabrication techniques and project design including estimating and developing materials list. Tool room management and safety procedures are essential to the course.</p>	10-12			Agriculture, Food and Natural Resources	Science Technology Engineering and Math					
0154	<p><b>Agricultural Power and Machinery - Recommended for Students Grades 10 - 12 -</b> The course includes maintenance and troubleshooting, and repair of small gas engines, auto and farm equipment maintenance; Identification and comparison of energy sources. Troubleshoot problems and evaluate performance to service and repair components of internal combustion engines. Follow manufacturers' guidelines to service and repair power transmission systems. Utilize maintenance manuals to service and repair hydraulic systems. Utilize schematics to service vehicle electrical systems.</p>	10-12			Science, Technology, Engineering and Math	Transportation, Distribution and Logistics	Agriculture, Food and Natural Resources				
0161	<p><b>Science of Large Agriculture Animals - Recommended for Students Grades 10 - 12 -</b> Course imparts information about the care and management of domesticated animals. Animal nutrition, health, reproduction, genetics, facilities, and marketing are all possible topics; Study of anatomy and physiology of livestock and other domesticated animals. Examination of developmental stages and analysis of feed ration for different parts of an animal's life cycle. Identification of environmental factors that affect an animal's performance, and recognition of animal behaviors to facilitate working with animals safely.</p>	10-12			Agriculture, Food and Natural Resources						

0162	<p><b>Science of Small Animals - Recommended for Students Grades 10 - 12</b> - Course imparts information about the care and management of domesticated animals. Animal nutrition, health, reproduction, genetics, facilities, and marketing are all possible topics; Study of anatomy and physiology of livestock and other domesticated animals. Examination of developmental stages and analysis of feed ration for different parts of an animal's life cycle; Identification of environmental factors that affect an animal's performance; Recognition of animal behaviors to facilitate working with animal safely. Specific focus of this course is on small animals including rabbits, fowl, dogs, and cats.</p>	10-12			Agriculture, Food and Natural Resources						
0163	<p><b>Science of Large Animals - Recommended for Students Grades 11 - 12</b> - Course imparts information about the care and management of domesticated animals. Animal nutrition, health, reproduction, genetics, facilities, and marketing are all possible topics; Study of anatomy and physiology of livestock and other domesticated animals. Examination of developmental stages and analysis of feed ration for different parts of an animal's life cycle. Identification of environmental factors that affect an animal's performance and recognition of animal behaviors to facilitate working with animal safely. Specific focus of this course is on dairy cattle and equine.</p>	11-12			Agriculture, Food and Natural Resources						
0164	<p><b>Veterinary Science/Technician – Grades 11-12</b> – Course imparts basic information about employment as a veterinary technician. Animal health, nutrition, reproduction, genetics, facilities maintenance, anatomy and physiology and business management are all possible areas of study. Specific focus of this course is on mastering the entry level skills needed for employment as a veterinary assistant or technician. (Introductory units available via New Mexico Secondary Agriculture Education. Resources should be followed by dual credit enrollment in a recognized certification program).</p>	11-12			Agriculture, Food and Natural Resources						
0171	<p><b>Agricultural Economics and Business Management - Recommended for Students Grades 10 - 12</b> - Course provides students with the information and skills necessary for career success in agribusiness and in the operation of entrepreneurial ventures. Topics include economic principles, budgeting, risk management, finance, business law, insurance and resource management. Other possible topics are development of a business plan, employee/employer relations, problem solving and decision making, using computers. A survey of the careers within the agricultural industry is also incorporated.</p>	10-12			Business Management and Administration	Marketing Sales and Service	Agriculture, Food and Natural Resources				

0173	<p><b>Science of Food Products and Food Processing - Recommended for Students Grades 10 - 12</b> - Course imparts the knowledge and skill needed to bring animal and plant products to market. Processing topics will include quality selection and preservation, equipment care and sanitation, government regulations, and consumer trends.</p>	10-12			Agriculture, Food and Natural Resources						
0181	<p><b>Environmental Science/Natural Resources - Recommended for Students Grades 10 - 12</b> - Course combines the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within this course may be topics covering environmental factors affecting water, water pollution, water and land use management, alternative energy resources, metals and minerals.</p>	10-12			Science, Technology, Engineering and Math	Health Science	Government and Public Administration	Agriculture, Food and Natural Resources			
0182	<p><b>Science of Wildlife and Forestry Management - Recommended for Students Grades 10 - 12</b> - Course provide the information necessary for the cultivation and care of forests or timberlands. Forestry topics covered are the processes of regeneration and reforestation, conservation of natural resources, erosion control, trail development and maintenance, mapping and surveying, operation of forestry tools, government regulations, and recreational uses. Wildlife topics include land and ecological systems that enable non-domesticated animal to thrive. Emphasize on how humans and animals may both take advantage of the same land, how to gain economic benefits from the land while not degrading its natural resources or depleting the plant and animal populations.</p>	10-12			Science, Technology, Engineering and Math	Agriculture, Food and Natural Resources	Government and Public Administration				
0183	<p><b>PLTW - Environmental Sustainability - Recommended for Students Grades 9 - 12</b> - In ES, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges. (A "Project Lead the Way" course).</p>	9-12		PLTW	Agriculture, Food and Natural Resources	Science, Technology, Engineering and Math					







0206	<p><b>Data Management - Recommended for Students Grades 9 - 12</b> - Classes provide a basic understanding of the procedures involved in recording personal financial transactions as well as transactions typically undertaken by small businesses. Partial emphasis may be placed on personal banking, budgeting, and income tax calculations; additional emphasis is usually placed on cashier and clerical procedures, inventory control for small businesses, database management, merchandising, and payroll. Data management courses teach students the value of data management to the organization, operation, and control of a business.</p>	9-12			Finance	Business Management and Administration					
0207	<p><b>Accounting - Recommended for Students Grades 9 - 12</b> - Courses introduce and then expand upon the fundamental accounting procedures used in small businesses. Typically, the first year covers the full accounting cycle, and incorporates topics such as payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles to the projects they work on and may prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools may be used. In advanced courses, elementary principles of partnership and corporate accounting are introduced and explored, as are the managerial uses of control systems and the accounting process.</p>	9-12			Marketing Sales and Service	Government and Public Administration	Hospitality and Tourism	Agriculture, Food and Natural Resources	Business Management and Administration	Finance	
0210	<p><b>Advanced Accounting - Recommended for Students Grades 10 - 12</b> - This course builds upon the concepts learned in Accounting Fundamentals. Students will study and apply advanced accounting principles relating to partnerships, corporations, cost accounting, number systems, inventory control, depreciation, petty cash systems, accruals, notes and interest, payroll and taxes, and computerized accounting. Computerized spreadsheet applications and a "simulation" project are integral to the class.</p>	10-12			Business Management and Administration						
0212	<p><b>Cost Accounting - Recommended for Students Grades 11 - 12</b> - This course builds upon the concepts learned in Advanced accounting, and introduces students to principals of cost accounting with an emphasis on job order costing. Topics covered may include manufacturing statements; cost theory; and integration of materials, labor and overhead to the computerized job cost situation. Computerized spreadsheet applications are emphasized</p>	11-12			Business Management and Administration						

0220	<p><b>Exploring Business and Marketing - Recommended for Students Grades 6 - 8</b> - This middle-school course is designed to explore the nature of business and to study related careers in fields such as financial services, fashion merchandising, information systems, marketing, office systems technology, public relations and promotion, and travel and tourism. Emphasis is on using the computer while studying applications in these careers along with problem solving and thinking skills. Entrepreneurship practices and principles may be surveyed or implemented through a project or thematic unit.</p>	6-8									
0221	<p><b>Introductory Business - Recommended for Students Grades 9 - 12</b> - Courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance; the role of government in business, consumerism, credit, investment, and management; and may provide a brief overview of the American economic system and corporate organization. In addition, Introductory Business courses may expose students to the varied opportunities in secretarial, accounting, management, and related fields.</p>	9-12				Business Management and Administration					
0223	<p><b>Business Management - Recommended for Students Grades 9 - 12</b> - Courses acquaint students with management opportunities and effective human relations. These courses may provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they may provide a macro level study of the business world, including business structure and finance, and the interconnections between industry, government, and the global economy.</p>	9-12				Business Management and Administration					
0224	<p><b>Business Ownership and Management Entrepreneurship - Recommended for Students Grades 10 - 12</b> - Courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.</p>	10-12				Finance	Business Management and Administration				

0225	<p><b>Financial Services - Recommended for Students Grades 10 - 12</b> - Courses provide students with an overview of the American monetary and banking system, types of financial institutions, and the services and products they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments, and negotiable instruments. As the courses provide information about career opportunities, students may practice the varying responsibilities of personnel within the banking and finance industries.</p>	10-12			Finance	Business Management and Administration	Government and Public Administration				
0226	<p><b>General Business (formerly Business &amp; Marketing) - Recommended for Students Grades 7 - 12</b> - This business and marketing course explores the world of business and marketing. Curriculum will focus on the skills, knowledge, and attitudes demanded by employers in the workplace. Students will study economics, marketing and basic accounting concepts. Emphasis will be placed on business computer applications including word processing, spreadsheets, and databases. Students will have the opportunity to demonstrate knowledge of retail merchandising, customer service, and working with a team by participating in the operation of a school-owned student operated snack bar and classroom projects. Student participation in related co-curricular vocational student organizations, DECA and BPA, is strongly encouraged.</p>	7-12			Business Management and Administration						
0227	<p><b>Business, Marketing and Finance II – Grades 11-12</b>– Business, Marketing, and Finance II continues the exploration of business, marketing, and financial concepts. This course continues to focus on the skills, knowledge, and attitudes demanded by employers in the workplace. The student studies advanced economic, marketing, and financial concepts. Emphasis is placed on business computer applications including word processing, spreadsheets, and multimedia applications.</p>	11-12			Marketing Sales and Service	Hospitality and Tourism	Business Management and Administration	Finance			
0228	<p><b>Personal and Business Finance - Recommended for Students Grades 10 - 12</b> - Course covers fundamental concepts of personal financial management to include insurance, budgeting, credit, savings, investments, home financing, retirement, and estate planning, and consumer debt management. Finance relating to problems, methods, and policies in financing business enterprise are also covered.</p>	10-12			Finance	Business Management and Administration					



0239	<p><b>Individual Taxation - Recommended for Students Grades 11 - 12</b> - This course examines the fundamental characteristics of Federal and state legislation as applied to individual incomes. Students will be introduced to basic tax return preparation issues and the software to do basic tax returns. On the job training and a certification examination may be integral to this class.</p>	11-12			Government and Public Administration	Finance	Business Management and Administration				
0240	<p><b>Business Communications - Recommended for Students Grades 9 - 12</b> - Deleted as it was a duplication of course 1850</p>	9-12	Deleted		Government and Public Administration	Marketing Sales and Service	Hospitality and Tourism	Business Management and Administration			
0250	<p><b>Business Law - Recommended for Students Grades 10 - 12</b> - Course is designed to give students an understanding of the U.S. legal system, the law of contracts, and Uniform Commercial Code statutes regulating the sale of goods and commercial paper. Student will investigate the nature and role of the law in our society with emphasis in personal, consumer, and business law. The legal environment in which business operates will be investigated.</p>	10-12			Hospitality and Tourism	Government and Public Administration	Law Public Safety & Security	Business Management and Administration			
0254	<p><b>Business Ethics - Recommended for Students Grades 10 - 12</b> - Reasoning for issues in business and business practices that uses both a theoretical and practical approach to business decision-making are examined as well as quality and customer service insight and skills. An emphasis on current events/issues in the local, state, national, and world economy are integrated in the instruction.</p>	10-12			Government and Public Administration	Business Management and Administration	Manufacturing	Marketing Sales and Service	Hospitality and Tourism	Finance	

0261	<p><b>Hospitality and Tourism - Recommended for Students Grades 10 - 12</b> - Course provides basic knowledge plus as well as job shadowing experiences for the student who is interested in a career in lodging, hospitality, travel and tourism. Areas of study may cover culinary arts, lodging occupations, travel services, customer service and management of recreation, sales, marketing, leisure programs or events. In some school districts, membership in the student vocational organization may be required to involve students in leadership, community service and competitive events. Course may also be a part of a team-teaching approach to a career pathway (several aligned sequential courses)</p>	10-12			Hospitality and Tourism	Business Management and Administration					
0265	<p><b>Hotel Management I - Recommended for Students Grades 11 - 12</b> - Sequential course designed to introduce students to industry standards such as customer relations, accounting, management techniques, public relations, customer services, and marketing. Industry standards and certifications for front and back of the house are also available. Students are also encouraged to explore a wide variety of careers found in the hospitality and lodging/resort industries. School districts involved in this program must complete an RFP process and be a recognized site. Co-sponsored by the Educational Institute of the American Hotel and Lodging Association. Course may also be a part of a team-teaching approach to a career pathway (several aligned sequential courses)</p>	11-12			Hospitality and Tourism	Business Management and Administration					
0266	<p><b>Hotel Management/Lodging Management II - Recommended for Students Grades 11 - 12</b> - Sequential course designed for students pursuing careers in hospitality and lodging/resort industries. This is an intensive program involving topics covering entrepreneurship and managerial techniques, portfolio and customer service skills, safety and related work issues, beverage/banquet, limited service, full service, resort, and bed and breakfast operations. Golf course maintenance and human resource management are also covered with certifications available. Students who complete the program, a 400-hour internship, and pass the national exam leave high school with a national certification recognized by the hospitality industry. Co-sponsored by Educational Institute of the American Hotel and Lodging Association. Course may also be a part of a team-teaching approach to a career pathway (several aligned sequential courses)</p>	11-12			Hospitality and Tourism	Business Management and Administration					
0267	<p><b>Human Resource Management - Recommended for Students Grades 11 - 12</b> - This course is designed to provide the student with a contemporary and comprehensive introduction to the field of personnel/human resource management aimed at the student who wants to know how these functions and tools will assist one in becoming a better manager. The International Sector is also covered. Emphasis is placed on cooperation among all managers for the successful administration of human resources.</p>	11-12			Hospitality and Tourism	Business Management and Administration					

0269	<p><b>Hotel Management Internship - Recommended for Students Grades 10 - 12</b> - Sequential course designed to provide the work experience component of the Hotel Management Program of study offered through the American Hotel and Lodging Association. . Student will work in an industry-based setting and be evaluated by work-based competencies. Varying numbers of hours must be completed in the internship in order to receive the industry-recognized certification.</p>	10-12			Hospitality and Tourism	Business Management and Administration				
0270	<p><b>Computer/Business Technologies - Recommended for Students Grades 7 - 12</b> - This course is designed to develop the student's computer technology skills as they prepare for a career in the world of business. Student will produce business documents using word processing, spreadsheet, database and presentation skills to be an effective employee; operate business equipment, read and write technical documents, apply office management procedures, learn communication etiquette, manage time and projects, develop interpersonal skills, examine employer/employee interactions, and develop job preparation skills.</p>	7-12								
0271	<p><b>Database Design and Programming - Oracle Academy - Recommended for Students Grades 7 - 12</b> - Students analyze case studies to identify patterns and connections between information not obviously related and to develop solutions to make a business effective. The program teaches inductive reasoning to solve problems and think conceptually, systematically, and critically by transforming business requirements into an operational database, creating and implementing database design, managing a business project, and preparing for SQL Certification exam. Students become proficient business analysts, technical experts in structured query language (SQL), and develop essential "professional skills" including teamwork, project management, presentation, and interviewing techniques.</p>	7-12			Business Management and Administration	Information Technology	Science Technology Engineering and Math			
0276	<p><b>Web Page Design - Recommended for Students Grades 7 - 12</b> - Course emphasizes skill development that will enable students to author, edit, evaluate and publish web pages. The basics of planning and creating Web Pages, using a variety of editors such as WordPress, selecting and adding images, choosing background colors, creating active internal and external links, adding lists and testing pages created are also covered. Basic introduction to HTML can be covered.</p>	7-12			Marketing Sales and Service	Arts Audio-Video Technology and Communications	Information Technology			

0290	<p><b>Business Economics - Recommended for Students Grades 9 - 12</b> - This course provides an understanding of basic economic principles and use of economic reasoning skills to analyze the impact of economic systems on individuals, families, businesses, communities and governments. Course includes basic concepts of macro and micro economics, definition of economics, demand and supply, output and cost, competition, monopoly, markets and government, income distribution and equality, national income, employment and unemployment, budget and fiscal policy, foreign trade and business.</p>	9-12			Business Management and Administration	Marketing Sales and Service	Finance	Hospitality and Tourism	Manufacturing		
0294	<p><b>AP Microeconomics - Recommended for Students Grades 10 - 12</b> - Course is designed to parallel a semester of college-level microeconomics. AP Microeconomics courses provide students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers (both consumers and producers), and place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	10-12		AP	Government and Public Administration	Marketing Sales and Service	Business Management and Administration				
0295	<p><b>AP Macroeconomics - Recommended for Students Grades 10 - 12</b> - Course is designed to parallel a semester of college-level macroeconomics. AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole, placing particular emphasis on the study of national income and price determination, and developing students' familiarity with economic performance measures, economic growth, and international economics. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	10-12		AP	Government and Public Administration	Marketing Sales and Service	Business Management and Administration				
0297	<p><b>Business Work Experience (Co-op) (formerly Business Work Site Experience - Cooperative Education - OJT) - Recommended for Students Grades 11 - 12</b> - Course work experience is gained within the business field. The student, teacher, and employer will set goals cooperatively: classroom attendance, related training experience, and related course work are an integral part of the Business -OJT Experience - Course may also include work-study, internships, school based enterprises, service learning, mentor programs, or job shadowing experiences. Goals are set for the employment period and related classroom experiences will align with occupational training in the field. Improvement of employability skills and discussion regarding the experiences and problems encountered on the job will also be included in classroom activity.</p>	11-12			Marketing Sales and Service	Business Management and Administration	Finance	Hospitality and Tourism	Manufacturing		



0299	<p><b>Business</b> - Recommended for Students Grades 7 - 12 – Other. Typically used with advanced dual credit topics.</p>	7-12			Business Management and Administration						
0301	<p><b>Basic Computer</b> - Courses introduce the computer and peripheral devices, the functions and uses of computers, the language of the computer industry, possible applications, and occupations related to computer hardware and software. Legal and ethical issues may be explored, as well as the effect of the computer on modern society. Performance of some computer operations may be required.</p>	7-12									
0302	<p><b>General Computer Applications</b> - Designed for students with an interest in exploring the uses of the personal computer, General Computer Applications courses provide experience in the proper use of previously written software packages. A wide range of applications is explored, including (but not limited to) word processing, spreadsheet, graphics, and database programs. Electronic mail, desktop publishing, surveillance and detection tech may also be included. Exercises and problems integrate data and manipulation and are tied to students' career interests.</p>	7-12			Business Management and Administration						
0303	<p><b>Business Computer Applications</b> - Designed for students with an interest in business/office occupations, Business Computer Applications courses provide experience in the proper use of previously written software packages. Generally, a wide range of applications is explored, including (but not limited to) word processing, spreadsheet, graphics, and database programs. More advanced topics (such as electronic mail, desktop publishing, and telecommunications) may also be included. Exercises and problems are specifically business related.</p>	7-12			Finance	Business Management and Administration	Marketing Sales and Service	Information Technology			

0304	<p><b>Computer Applications II – Grades 10-12</b> – In Computer Applications II, the emphasis is on the mastery of advanced computer usage techniques for post high school education and career enhancement. Topics include: language scripting, advanced telecommunications with national and international access, the consolidation of word processing, database and spreadsheet skills into report production, advanced computer graphic manipulation, desktop integration for industry publication, beginning multi-platform network information management, and multimedia presentations.</p>	10-12			Information Technology	Business Management and Administration	Arts Audio-Video Technology and Communications				
0305	<p><b>Desktop Publishing I – Grades 9-12</b> – This course provides skill development in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, edit/revise, and print publications. Improved productivity of electronically produced brochures, programs, newsletters, web pages, presentations and manuscripts.</p>	9-12			Marketing Sales and Service	Arts Audio-Video Technology and Communications					
0306	<p><b>Desktop Publishing II – Grades 10-12</b> – In Desktop Publishing II, the student continues to build on his/her technical design skills developed in Desktop Publishing I. The student produces professional high-quality page design for business publications (e.g., newsletters, flyers, brochures, business cards) using page layout tools for print and the Web.</p>	10-12			Marketing Sales and Service	Arts Audio-Video Technology and Communications					
0307	<p><b>Computer Graphics II – Grades 10-12</b> – In Computer Graphics II, the student learns a new medium with which to create art. The Student learns the basics of visual design elements and principles, learns to use the computer as a visual design medium, and develops skill, confidence, and sensitivity in applying knowledge of art media and techniques to the production of art work. The student receives training in an industry standard bitmap graphics program (e.g., Adobe Photoshop) in addition to a vector-based (e.g., Illustrator, Blender, and Maya) graphics program. The production of computer art is applied to various other content areas and acquired skills are related to careers in art and other fields that now require computer graphics capabilities. Areas of study are visual design, conventions and history, technical literacy, visual communication, career awareness, and preparation of work for public display.</p>	10-12			Marketing Sales and Service	Arts Audio-Video Technology and Communications	Information Technology				

0308	<p><b>Computer Graphics III – Grades 11-12</b> – Computer Graphics III offers the student an opportunity to study computer graphics applications with emphasis on mastery of advanced technical skills and concepts. The student continues to apply visual design elements and principles, to use the computer as a visual design medium, and to gain proficiency, confidence, and sensitivity in applying advanced knowledge of art media and techniques to the creation of graphic products. Advanced skills are learned through a variety of applications. Areas of study are visual design, conventions and history, technical literacy, visual communication, career awareness, and preparation of work for public display. Emphasis is placed on creating an individualized body of work that represents a personal exploration of viewpoints.</p>	11-12				Marketing Sales and Service	Arts Audio-Video Technology and Communications	Information Technology				
0309	<p><b>Computer Graphics IV – Grade 12</b> – Computer Graphics IV offers the student an opportunity to demonstrate a high level of competency in graphics applications with an emphasis on professional portfolio development. The student develops an individual style through a variety of graphic applications. Areas of study are visual design, conventions and history, technical literacy, visual communication, career awareness, and preparation of work for public display. Emphasis is placed on creating an individualized body of work that represents a personal exploration of viewpoints.</p>	12				Marketing Sales and Service	Arts Audio-Video Technology and Communications	Information Technology				
0310	<p><b>Intro to 3D Design and Animation – Grade 9-12</b> - Students work with industry standard software to simulate 3D environments and apply 3D effects to create realistic still images and animations. Each lesson is a building block for future projects of increasing complexity. As students progress through the course, they will create products that can be integrated into other media types using familiar composition and editing techniques. Projects will culminate in the production of products from the following areas: broadcast, animated films, visual effects, video games graphics, visualizations, web based media, mechanical modeling, forensic modeling, and architectural studies.</p>	9-12				Information Technology						
0313	<p><b>Business Programming</b> - Courses provide students with experience in using previously written software packages as well as designing and writing programs of their own. With a focus on business application, the word processing, spreadsheet, graphics, and database exercises contain a business industry focus, and the original programs are written in languages typical of the business industry.</p>	7-12				Information Technology						

0314	<p><b>Database Foundations</b> - This course introduces students to basic relational database concepts. It teaches students relational database terminology, as well as data modeling concepts, building Entity Relationship Diagrams (ERDs), and mapping ERDs. Oracle SQL Developer Data Modeler is utilized to build ERDs, and Structured Query Language (SQL) is used to interact with a relational database and manipulate data within the database. Oracle Application Express (APEX) is utilized to provide practical, hands-on, engaging activities. Leveraging project-based learning techniques, students create and work with projects that challenge them to design, implement, and demonstrate a database solution for a business or organization.</p>	7-12			Information Technology	Science Technology Engineering and Math					
Description											
0315	<p><b>Computer Graphics</b> - Courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Modeling, simulation, animation, and image retouching are possible course topics.</p>	7-12			Information Technology	Architecture and Construction	Marketing Sales and Service	Arts Audio-Video Technology and Communications			
0316	<p><b>Computing Systems</b> - Courses offer a broad exploration of the use of computers in a variety of fields. Course content may have a considerable range, but typically includes; the introduction of robotics and control systems, computer assisted design, computer aided manufacturing systems, and other computer technologies as they relate to industry applications.</p>	7-12			Information Technology	Business Management and Administration	Science Technology Engineering and Math				
0317	<p><b>Computer Technology</b> - Courses introduce students to the features, functions, and design of computer hardware, and provide instruction in the maintenance and repair of computer components and peripheral devices.</p>	7-12			Information Technology	Science Technology Engineering and Math					

0318	<p><b>Network Technology</b> - Courses introduce students to the technology involved in the transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television networks, radio waves, and so on). The course may emphasize the capabilities of networks, network technology itself, or both. Content topics emphasizing network capabilities include electronic mail, public networks and electronic bulletin boards; topics emphasizing the technology include network software, hardware, and peripherals involved in setting up and maintaining a computer network.</p>	7-12			Information Technology	Business Management and Administration	Science Technology Engineering and Math				
0319	<p><b>Computer Networking II – Grades 11-12</b> – In Computer Networking II the student works more independently and continues to split his/her time between the classroom and in the field, working on the school's local network and supporting Level I students. The student works on a live network as they learn about the many components of network management. The course is designed to train the student in the implementation of network management tools that support such network issues as security, ethics, software, hardware, and business. The student becomes familiar with:</p> <ul style="list-style-type: none"> <li>Software – Microsoft, Symantec, LAN Guard, 3Com, Adobe and more</li> <li>Hardware – At the systems and component level, Server versus Client</li> <li>Network systems – Hardware, Software, and Management Tools</li> <li>Network Topology, Protocols and Standards</li> <li>The Business Side of Network Management (This includes development of a Business Plan.)</li> <li>Methods of Quality Control &amp; Tools</li> </ul>	11-12			Information Technology	Science Technology Engineering and Math	Information Technology	Law Public Safety & Security			
0320	<p><b>Computer Technology Assistant I – Grades 9-12</b> – Provides an essential introduction to GenYES, including GenYES basics information literacy, digital citizenship, and foundational software to ensure all students are informed on common software and practices. Elements of content creation are covered based on the need of the school's IT community, including digital audio and video, digital art, web publishing, and game design. IT support is introduced, including hardware and software maintenance, troubleshooting and customer support, and supporting a 1:1 program.</p>	9-12			Information Technology	Science Technology Engineering and Math					
			Description								
0321	<p><b>Computer Technology Assistant II – Grades 9-12</b> – Provides continued knowledge and skill development in content creation from Computer Technology Assistant I. Further emphasis in content creation and IT support is developed in this course. Mentoring skills in the areas of online communication are developed by students. Students learn to "become the teacher", creating tutorials and giving professional development workshops. In addition, students learn to develop leadership skills and the ability to work as a team.</p>	9-12			Information Technology	Science Technology Engineering and Math					
			Description								

0322	<p><b>Computer Technology Assistant III – Grades 11-12</b> – In year three of the GenYES program of studies, students continue to be engaged in content creation, IT support, and mentoring. In addition, they are working in advanced units related to creating 21st century schools. Students develop and implement a community service plan for their school. Finally, students explore college and career options, find the right college, and locate sources of funding for college.</p>	11-12			Information Technology	Science Technology Engineering and Math					
0323	<p><b>Computer Science/Programming</b> - Courses provide the background knowledge and skills to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the Java language, but other computer languages may be used instead. Initially, students learn to structure, create, document, and debug computer programs. In advanced courses, more emphasis is placed on design, skills to relevant applications such as modeling, data management, graphics, and text processing.</p>	7-12			Information Technology	Science Technology Engineering and Math	Marketing Sales and Service	Arts Audio-Video Technology and Communications			
			Description								
0324	<p><b>Programming</b> - Courses provide the opportunity to gain expertise in current computer programs. Emphasis is on how to structure and document computer programs, and how to use problem solving techniques. As students advance, they learn to capitalize on more advanced features and tools (top down design, procedures, and loops) and to place greater emphasis on design and efficiency.</p>	7-12			Information Technology	Science Technology Engineering and Math					
0325	<p><b>Advanced Programming</b> - Courses provide the opportunity to gain expertise in computer programs using the C++ and Python language. Emphasis is on how to structure and document computer programs, and how to use problem solving techniques. However, as students advance, they learn to capitalize on the features and strengths of C++ and Python (top down design, procedures, and loops) and to place greater emphasis on design and efficiency.</p>	7-12			Information Technology	Science Technology Engineering and Math					

0326	<p><b>Computer Programming - Other Language</b> - Other Language - Computer programming is a one-year course designed to enable students to develop skills in writing computer programs. Topics will include algorithmic solutions of mathematical problems, software development, top down program design, object-oriented programming, web page design, objects and methods, syntax, primitive data types, strings loops, arrays, searching and sorting.</p>	7-12			Information Technology	Science Technology Engineering and Math					
0327	<p><b>AP Computer Science A</b> - AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object –oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale from small, simple problems to large, complex problems. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	9-12		AP	Information Technology	Science Technology Engineering and Math					
0328	<p><b>IB Computer Studies</b> - Courses prepare students to take the International Baccalaureate Computing Studies exam at either the Subsidiary or Higher level. Usually a two-year study, the courses emphasize problem analysis, efficient use of data structures and manipulation procedures, and logical decision-making. The IB Computing Studies course content also covers the applications and effects of the computer on modern society as well as the limitations of computer technology.</p>	9-12		IB	Information Technology	Science Technology Engineering and Math					
0330	<p><b>Database Design and Programming - Oracle Academy</b> - This course of study teaches students to analyze complex business scenarios, design, and create data models and create databases using SQL. Oracle SQL Developer Data Modeler and APEX are utilized to provide practical, hands-on activities. Leveraging project-based learning techniques, students create projects that challenge them to design, implement, and demonstrate a database solution for a business or organization.</p>	9-12			Information Technology	Science Technology Engineering and Math	Business Management and Administration				

0331	<p><b>Database Programming with PL/SQL – Oracle Academy</b> - This course of study introduces students to PL/SQL, Oracle's procedural extension language for SQL and the Oracle relational database. Participants explore the differences between SQL and PL/SQL and explore how PL/SQL is used to extend and automate SQL in administering the Oracle database. APEX is utilized to provide practical, hands-on, engaging activities. Leveraging project-based learning techniques, students create and work with projects that challenge them to enhance the SQL of a database solution for a business or organization.</p>	9-12			Information Technology	Science Technology Engineering and Math					
			Description								
0332	<p><b>Advanced Career - Computers, Networks and Databases – Grades 9-12</b> - This project-based-learning course engages students who are curious about informatics. In this course, students will learn how to use a design process to create systems that acquire, store and communicate data for a variety of career fields. Students will work collaboratively in teams to design systems, solve problems, think critically, be creative and communicate with each other and business partners. Students will participate in real-world experiences such as designing an inventory system for a retail store, comparing stores in a company to project future sales, track customer buying habits and more. This course is a precursor to 0333.</p>	9-12			Information Technology						
0333	<p><b>Advanced Career - Design for the Digital World – Grades 9-12</b> - This project-based-learning course engages students who are interested in applying the design process to create systems such as a cloud-based digital storage system for images. Students will design a system to automatically collect and report data on highway usage. They will apply a geospatial system to map a store and develop a database that studies shopping habits. Through these projects, students will learn about data management and logic-based queries by collecting data, using the Global Positioning System (GPS) and analyzing data utilizing a geographic information system (GIS). They will learn how to automate data collection to make processes more effective and efficient. Students will work collaboratively in teams and demonstrate their knowledge and skills by presenting new and innovative ideas, techniques and solutions to business and industry partners. This is a precursor to 0334.</p>	9-12			Information Technology						
0334	<p><b>Advanced Career – Databases in the Cloud – Grades 9-12</b> - This project-based-learning course is for students who successfully completed courses one and two and who want to tackle the more complex challenges that business and industry face. Students at this level will learn about Web technologies, cloud storage, information security, data, animation, introductory computer programming and database applications. Students will take more responsibility for their own learning, problem solving and thinking outside of the box. Real-world challenges will require higher levels of research, building, testing, analyzing and improving systems. Students will develop solutions for real-world problems by designing a database for ticket sales; designing security for a database; creating a game with animation; reporting information based on population data in a community; and designing, building and testing an application for a database. This course is a precursor to 0335.</p>	9-12			Information Technology						



0335	<p><b>Advanced Career – Developing a Cloud Presence – Grades 11-12</b> - Students in this capstone course will focus on the ethics of privacy, social networking, designing for clients and artificial intelligence through six authentic projects. Students will select a business partner and design, build and test a Web presence for a company that will apply the concepts from the three prior courses. Student teams will work collaboratively with a business partner to develop a proposal for the project with evaluation criteria. Once the business partner accepts the proposal, the student team will implement it by designing, planning, building the system, and testing and revising the system to meet the needs of the business. Depending on articulation agreements or state policy, opportunity for dual credit may be available to students who successfully complete this course.</p>	11-12			Information Technology					
0336	<p><b>AP Computer Science Principles – Grades 9-12</b> - AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, this course prepares students for college and career. It is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	9-12		AP	Information Technology					
0340	<p><b>IT Essentials: PC Hardware and Software- Cisco Academy Grades 9 - 12</b> - An introduction to computer components, laptops and portable devices, wireless connectivity, security, safety, environmental concerns and diagnostic tools. In this course, students develop hands-on networking skills to understand the role networks play in our lives. This course introduces students to networking careers and prepares them for further study. Students learn; how to plan and install a network using real equipment and connect it to the Internet; practice verifying and troubleshooting network and internet connectivity; learn how to recognize and mitigate security threats to a home network; configure common internet applications; set up sharing between computers; and configure basic Internet providers (IP) services.</p>	9-12			Information Technology	Science Technology Engineering and Math				
0341	<p><b>CCNA Routing and Switching Part 1 - Grades 9 – 12</b> - A gateway to entry-level networking jobs and IT careers. Part 1 curriculum consists of two units: Introduction to Networks and Routing and Switching Essentials. Students develop a working knowledge of routing and switching, network applications, protocols, and services. These first two units prepare students for the Cisco CCENT certification exam.</p>	9-12			Information Technology	Science Technology Engineering and Math				

0342	<b>CCNA Routing and Switching Part 2 - Grades 9 – 12</b> - This course is a continuation of 0341. Part 2 curriculum consists of two units: Scaling Networks and Connecting Networks. Students develop a working knowledge of routing and switching, network applications, protocols, and services. All four units between course 0341 and 0342 are recommended to prepare students to take the Cisco CCNA Routing and Switching certification exam.	9-12			Information Technology	Science Technology Engineering and Math					
0343	<b>CCNP v5.0- Cisco Academy = Grades 9 – 12</b> - An advanced overview of complex network configurations, diagnostic tools, and troubleshooting processes.	9-12			Information Technology	Science Technology Engineering and Math					
0344	<b>PLTW – Computer Science Essentials – Grades 9-12</b> - With emphasis on computational thinking and collaboration, this year-long course provides an excellent entry point for students to begin or continue the PLTW Computer Science K-12 experience. In CSE, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. Computer Science Essentials helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, and beyond. (A "Project Lead the Way" course).	9-12		PLTW	Information Technology	Science, Technology, Engineering and Math					
0345	<b>PLTW - Computer Science Principles– Grades 9-12</b> - Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. While this course can be a student's first in computer science, students without prior computing experience are encouraged to start with Computer Science Essentials. Projects and problems include app development, visualization of data, cybersecurity, and simulation. The course curriculum and professional development is endorsed by the College Board. This course serves as the beginning course for PLTW Computer Science (A "PLTW" course).	9-12		PLTW	Information Technology	Science, Technology, Engineering and Math					

0346	<p><b>PLTW—Computer Science A.</b> This course focuses on further developing computational thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. This course aligns with the AP CS A course. This course is sequenced after PLTW Computer Science Principles 0345 (a “PLTW” course).</p>	9-12			Information Technology	Science, Technology, Engineering and Math					
			Description	PLTW							
0347	<p><b>PLTW—Cybersecurity</b> introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of, and commitment to, ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber infrastructure that moves and processes information safely. This course is sequenced after PLTW Computer Science A 0346 (a “PLTW” course).</p>	9-12			Information Technology	Science, Technology, Engineering and Math					
				PLTW							
0394	<p><b>Application Development Foundations</b> - This course introduces students to the techniques and tools required to develop database-driven web applications. The course teaches students how to design, develop, and deploy beautiful, responsive, database-driven web applications using APEX. APEX is utilized to provide practical, hands-on, engaging activities. Leveraging project-based learning techniques, students create and work with projects that challenge them to design, implement, and demonstrate a database-driven web application solution for a business or organization.</p>	9-12			Information Technology						
0395	<p><b>Computer and Information Sciences - Related Subjects</b> - Courses in this category offer instruction in related topics that are necessary or helpful in occupations involving computer and computer related technologies; such topics may include mathematics, science, and/or technical writing.</p>	7-12			Information Technology	Science Technology Engineering and Math					



0402	<p><b>Construction - Recommended for Students Grades 9</b> - Courses provide basic skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance. Advanced courses may include study of transportation systems and infrastructures. Class should consider using NCCER foundation to teach the class.</p>	9		NCCER	Architecture and Construction						
0403	<p><b>Woods Technology IV – Grades 11-12</b> – This course advances the student's skills in working with different types of wood. The student specializes in handmade furniture with a focus on Southwest furniture and custom production. Areas of study are safety, joinery, design, planning, procedures and material selection, usage and maintenance of hand and power tools, measurement, layout, cutting, glue up and assembly, finishing, and employability skills. The student becomes more proficient with hand tools, saws, mortise/tenon joints, dado joints, dowel joints and biscuit joints.</p>	11-12			Architecture and Construction	Manufacturing					
0414	<p><b>Residential Construction I - Recommended for Students Grades 9</b> - Courses provide information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods, and to learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Carpentry courses may teach skills for rough construction, finish work, or both. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills.</p>	9			Architecture and Construction						
0415	<p><b>Residential Construction II - Recommended for Students Grades 10 - 12</b> - Courses provide students with much of the same knowledge as general carpentry courses (knowledge of various types and grades of woods, proper and safe use of hand and power tools, site selection and preparation), but place a special emphasis on construction methods applicable to floor, wall, roof, and/or stair framing. Course content may also include insulation installation and painting.</p>	10-12			Architecture and Construction						

0416	<p><b>Particular Topics in Carpentry - Recommended for Students Grades 10 - 12</b> - Courses falling within the Particular Topics in Carpentry category are specialized courses concerned with building construction or carpentry. All course work focuses upon a particular skill or set of skills related to one sub topic, such as Floor Framing, Wall and Partition Framing, Interior Finishing, or Exterior Finishing.</p>	10-12			Architecture and Construction						
0417	<p><b>Basic Woodworking - Recommended for Students Grades 10 - 12</b> - Courses introduce students to the various kinds of woods used in industry, and offer experience in using selected woodworking tools. Student's design and construct one or more projects, and may prepare a bill of materials. Correct and safe use of tools and equipment is emphasized. As students advance within Woodworking classes, they focus on learning the nomenclature of power tools, developing skills to safely use these tools in the workshop, and becoming familiar with various kinds of wood finishing materials. Advanced students typically design a project; prepare bills of materials, construct, and finish proposed projects.</p>	10-12			Architecture and Construction	Arts Audio-Video Technology and Communications					
0418	<p><b>Advanced Woodworking - Recommended for Students Grades 10 - 12</b> - Courses provide experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications. Various woodworking machines and power tools for cutting and shaping wood are introduced and used. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware; beginning courses may resemble Woodworking courses. Advanced classes teach how to install plastic laminates on surfaces and how to apply spray finishes.</p>	10-12			Architecture and Construction						
0423	<p><b>Masonry - Recommended for Students Grades 10 - 12</b> - Courses enable students to learn to construct interior and exterior walls, columns, doorways, window openings, fireplaces, chimneys, and foundations from brick and concrete block. Along with other activities, students may mix and spread cement and mortar, read blueprints and plans, and estimate materials needed for a project. Training may also be offered on how to layout buildings on footings and to establish grades using a surveying transit. Some courses may treat one or more of these topics in particular detail.</p>	10-12			Architecture and Construction						

0425	<b>Carpentry 2 Grades 9 – 12</b> - This is a second sequential course in a carpentry program of study meant to take a student into higher level knowledge and skill development.	9-12			Architecture and Construction						
0426	<b>Carpentry 3 Grades 9 – 12</b> - This is a third sequential course in a carpentry program of study meant to take a student into higher level knowledge and skill development.	9-12			Architecture and Construction						
0431	<b>HVAC 1 - Recommended for Students Grades 10 - 12</b> - Courses offer specialized training related to the design, installation, and repair of air conditioning systems for residential and commercial use. Air Conditioning courses may emphasize the theory and design of electrical, electronic, mechanical, and pneumatic control systems used in air conditioning systems; they might also (or instead) focus on procedures used in troubleshooting, servicing, and installing components of air conditioning systems.	10-12			Architecture and Construction						
0432	<b>HVAC 2 - Recommended for Students Grades 10 - 12</b> - Courses provide exposure to and training in the theories, equipment, and skills needed to design, install, and repair commercial and residential refrigeration systems. Course topics typically include the theory of thermodynamics, measurement of pressures and temperatures, components and common accessories of refrigeration systems, and repair and safety procedures.	10-12			Architecture and Construction						

0433	<p><b>Heating - Recommended for Students Grades 10 - 12</b> - Courses offer training specific to the design, installation, and repair of heating systems for residential use. Topics typically include electric, gas, and/or steam systems; ventilation procedures; safety practices; and installation and troubleshooting techniques.</p>	10-12			Architecture and Construction						
0434	<p><b>Air Conditioning/Refrigeration - Recommended for Students Grades 10 - 12</b> - Courses enable students to develop the combined skills and knowledge to install, maintain, adjust, and repair both air conditioning and refrigeration systems.</p>	10-12			Architecture and Construction						
0435	<p><b>Air Conditioning/Heating/Refrigeration - Recommended for Students Grades 10 - 12</b> - Courses enable student to learn the basic principles of these systems, along with the identification and safe use of tools/equipment used in the trade.</p>	10-12			Architecture and Construction						
0436	<p><b>Heating/Ventilation/Air Conditioning - Recommended for Students Grades 10 - 12</b> - Courses synthesize basic and advanced principles in heating, ventilation, and air conditioning, including topics such as air filtration methods, humidity control, and the installation and maintenance of heat pumps, furnaces, and air conditioners. Students also learn climate control systems; electrical wiring; systems design; sizing, fabricating and installing ductwork; installing and maintaining climate control systems; and safety.</p>	10-12			Architecture and Construction						



0437	<p><b>Particular Topics in HVACR - Recommended for Students Grades 10 - 12</b> - Courses offer specialized training in aspects or topics that are common to various climate control systems (heating, ventilation, air conditioning, and refrigeration systems); such topics may include electrical components, diagrams and blueprints, welding and soldering techniques, and so on.</p>	10-12			Architecture and Construction						
0438	<p><b>Plumbing - Recommended for Students Grades 10 - 12</b> - Courses provide instruction in installing waste and vent systems, water and gas pipes, trim, and fixtures. Skills taught include cutting and joining various types of pipe (for instance, steel, plastic) using various methods (cement, seat method, and so on). Course topics may also cover plumbing occupations, employability skills, and entrepreneurship.</p>	10-12			Architecture and Construction						
0439	<p><b>Plumbing and Heating - Recommended for Students Grades 10 - 12</b> - Courses deal with the installation, assembly, maintenance and repair of piping, plumbing, heating equipment, and water and drainage systems. Topics covered include computation of heat losses and BTU requirements, and blueprint reading. Students gain experience with electric, gas, and oil furnaces; vacuum pumps; air compressors; and mechanical and pneumatic testing equipment.</p>	10-12			Architecture and Construction	Manufacturing					
0441	<p><b>Exploration of Electricity/Electronics - Recommended for Students Grades 10 - 12</b> - Courses offer instruction in the theory of electricity and in the terminology, skills, and safety procedures common to careers involving electricity, electronics, and related fields. Topics included are those relevant to these careers, such as Ohm's law, electrical equipment, wire systems, and so on; career exploration is often (but not always) an integral part of these courses.</p>	10-12			Architecture and Construction	Manufacturing					

0442	<p><b>Electricity - Comprehensive - Recommended for Students Grades 10 - 12</b> - Courses provide a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. AC and DC circuitry, safety, and the National Electrical Code are typically covered; skills covered may include those involved in building circuits; wiring residential, commercial, and/or industrial buildings; installing lighting, power circuits, and cables; and estimating job costs. As students progress, their projects become more complex and expansive. Safety is stressed, and the courses may include a career exploration component.</p>	10-12			Architecture and Construction	Science Technology Engineering and Math					
0443	<p><b>Residential Wiring - Recommended for Students Grades 10 - 12</b> - Course covers many of the same topics as Electricity-Comprehensive courses, Residential Wiring courses apply the knowledge and skills gained particularly to the electrical systems found in family dwellings. Because these courses emphasize residential electricity, topics may also include cable installation, telephone systems, and installation of lighting fixtures, outlets, and so on. Maintenance and repair skills are often included as course topics.</p>	10-12			Architecture and Construction						
0444	<p><b>Industrial Electricity - Recommended for Students Grades 10 - 12</b> - Course covers many of the same topics as Electricity - Comprehensive courses. Industrial Electricity courses apply the knowledge and skills gained particularly to the electrical systems used in industry. Because of this emphasis, Industrial Electricity courses may also include installation of transformers and control devices, emergency generator systems, and other industrial applications as course topics.</p>	10-12			Architecture and Construction	Science Technology Engineering and Math					
0445	<p><b>Particular Topics in Electricity - Recommended for Students Grades 10 - 12</b> - Courses offer specialized training in particular topics relevant to students who are preparing to be electricians.</p>	10-12			Architecture and Construction	Science Technology Engineering and Math					

0452	<p><b>Electronics-General - Recommended for Students Grades 10 - 12</b> - Courses offer training in the theory and skills involved in repairing and rebuilding electronic equipment such as radios, television sets, and industrial equipment; they typically include the basic theory of electricity as well. Course topics may include AC, DC, analog, and integrated circuitry, solid state and digital devices, amplifiers, and semiconductors.</p>	10-12			Architecture and Construction	Science Technology Engineering and Math					
0453	<p><b>Particular Topics in Electronics - Recommended for Students Grades 10 - 12</b> - Individual courses in this category offer specialized training in topics related to electronics and occupations in electronics such as diodes, transistors, digital techniques, solid state devices, analog circuits, and microprocessors.</p>	10-12			Architecture and Construction	Science Technology Engineering and Math					
0462	<p><b>Electricity/Electronics-General - Recommended for Students Grades 10 - 12</b> - Courses teach fundamental concepts of electricity and electronics, including safety procedures, and may introduce students to the available occupations in electrical and electronic industries. Topics covered typically include the following: components of circuits; reading schematics and diagrams; electricity and electronics as sources of energy and communications; and using equipment common to these occupations, such as ammeters, voltmeters, capacitor checkers, transistor testers, signal generators, and ohmmeters.</p>	10-12			Architecture and Construction	Science Technology Engineering and Math					
0473	<p><b>Building Maintenance - Recommended for Students Grades 10 - 12</b> - Courses train students to maintain commercial, industrial, and residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical, and other mechanical systems. Topics covered may include identification and safe use of hand and power tools; installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared surfaces; and repairing roofs, masonry, plumbing, and electrical systems.</p>	10-12			Hospitality and Tourism	Government and Public Administration	Business Management and Administration	Architecture and Construction			

0480	<p><b>NCCER Core Curriculum - Introduction to Craft Skills – Recommended for Student Grades 9 - 12</b> - The NCCER Core features a highly illustrated design, technical hints and tips from industry experts, review questions and a whole lot more! Nine modules in all provide coverage of: Basic Safety, Introduction to Construction Math, Introduction to Hand Tools, Introduction to Power Tools, Construction Drawings, Basic Rigging, Basic Communication Skills, Basic Employability Skills, and Introduction to Materials Handling. Student options available for work ready certification. INSTRUCTORS MUST BE CERTIFIED IN NCCER.</p>	9-12		NCCER	Architecture and Construction						
0481	<p><b>NCCER Carpentry Level 1 – Recommended for Student Grades 9 - 12</b> - Curriculum features a highly illustrated design, technical hints and tips from industry experts, review questions. Key content includes: Orientation to the Trade; Building Materials, Fasteners, and Adhesives; Hand and Power Tools; Introduction to Construction Drawings, Specifications, and Layout; Floor Systems; Wall Systems; Ceiling Joist and Roof framing; Basic Stair Layout; Introduction to Building Envelope Systems. Student options available for work ready certification. INSTRUCTORS MUST BE CERTIFIED IN NCCER.</p>	9-12		NCCER	Manufacturing						
0482	<p><b>NCCER Carpentry Level 2 - Recommended for Student Grades 10 – 12</b> - Curriculum features a highly illustrated design, technical hints and tips from industry experts, and review questions. Key content includes: Commercial Drawings, Roofing Applications, Thermal and Moisture Protection, Exterior Finishing, Cold-Formed Steel Framing, Drywall Installation, Drywall Finishing, Doors and Door Hardware, Suspended Ceilings, Window, Door, Floor, and Ceiling Trim, and Cabinet Installation. Student options available for work ready certification. INSTRUCTORS MUST BE CERTIFIED IN NCCER.</p>	10-12		NCCER	Manufacturing						
0483	<p><b>NCCER Carpentry Level 3 - Recommended for Student Grades 11 – 12</b> - Curriculum features a highly illustrated design, technical hints and tips from industry experts, and review questions. Key content includes: Rigging Equipment, Rigging Practices, Properties of Concrete, Reinforcing Concrete, Handling and Placing Concrete, Trenching and Excavating, Foundations and Slab-On-Grade, Vertical Formwork, Horizontal Formwork, and Tilt-Up Wall Panels. Student options available for work ready certification. INSTRUCTORS MUST BE CERTIFIED IN NCCER.</p>	11-12		NCCER	Manufacturing						

0484	NCCER Carpentry Level 4 - Recommended for Student Grades 11 – 12 - Curriculum features a highly illustrated design, technical hints and tips from industry experts, and includes review questions. Key content includes: Site Layout One — Distance Measurement and Leveling, Site Layout Two — Angular Measurement, Advanced Roof Systems, Advanced Wall Systems, Advanced Stair Systems, Introduction to Light Equipment, Welding, Commercial Finish Work, Site Preparation, and Introductory Skills for the Crew Leader. Student options available for work ready certification. INSTRUCTORS MUST BE CERTIFIED IN NCCER.	11-12		NCCER	Manufacturing						
0494	Electricity/Electronics-Related Subjects - Recommended for Students Grades 10 - 12 - Courses in this category offer instruction in related topics that are necessary or helpful in occupations involving electricity or electronics; such topics may include mathematics, science, technical reading, or other related topics.	10-12			Architecture and Construction	Science Technology Engineering and Math	Manufacturing				
0495	Construction Trades-Related Subjects - Recommended for Students Grades 10 - 12 - Courses provide skills and knowledge necessary or useful for particular occupations or technologies within the construction trades. Particular topics and skills, or their applications, covered in these courses may vary with the occupation or technology. (For example, mathematics for carpentry students may differ somewhat from mathematics for plumbing students.) Class should consider using NCCER foundation to teach the class.	10-12	Description		Architecture and Construction						
0498	Construction Trades Internship - Recommended for Students Grades 11 - 12 Courses provide work experience in the construction or related field supported by classroom attendance and discussion. Goals are set for the employment period; classroom experience may involve further study of the field, improvement of employability skills, or discussion regarding the experiences and problems encountered on the job.	11-12			Architecture and Construction						



0504	<p><b>Nutrition - Recommended for Students Grades 9 - 12</b> - Course offers opportunities to study the composition, structure, and properties of foods and the chemical changes that occur during processing, storage, preparation, and consumption. Designed as a laboratory course, Nutrition explores the effects of various materials, microorganisms, and processes on food products. Components of this class may be incorporated into laboratory exercises of food and nutrition courses. This class may be part of a series of sequential courses designed around healthy lifestyles/ wellness, i.e., physical education, health, chemistry.</p>	9-12			Government and Public Administration	Human Services	Health Science	Agriculture, Food and Natural Resources	Hospitality and Tourism		
0506	<p><b>Clothing - Recommended for Students Grades 9 - 12</b> - Course introduces and expands upon the various aspects of wearing apparel, sewing, and fashion. Information provided usually covers grooming and good health, wardrobe planning, selection, care, and repair of clothing, personal factors affecting suitable choices in garment design, and the history of many of our fashions. Basic skills in using sewing equipment and machines, and construction skills are incorporated in the construction of one or more garments during the typical sewing class. Related topics such as fashion design and/or merchandising, careers in the clothing industry, and craft sewing may be part of the course.</p>	9-12			Arts, Audio-Video Technology and Communications	Hospitality and Tourism	Marketing Sales and Service				
0507	<p><b>Basic Applied Design - Recommended for Students Grades 9 - 12</b> - Course in which students learn basic principles of floral arrangement and food decorating with the primary purpose of developing marketable skills. This is an intensive program involving actual preparation of floral centerpieces, corsages, and arrangements for special occasions. Cake decorating and sugar molding, candy making and other related activities might be offered. Emphasis is placed on skills needed to get and keep a job.</p>	9-12			Science, Technology, Engineering and Math	Arts, Audio-Video Technology and Communications	Architecture and Construction	Manufacturing			
0508	<p><b>Culinary Arts - Recommended for Students Grades 9 - 12</b> - Course is designed for students interested in the food service industry. They provide instruction regarding nutrition, principles of healthy eating, and the preparation and service of food. The course may focus on a specific type of cuisine, domestic or international. Among the topics covered in Food Service courses is large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, sanitation, management, and the careers available in the food service industry.</p>	9-12			Hospitality and Tourism						

0509	<p><b>Professional Baking - Recommended for Students Grades 9 - 12</b> - Course provides basic knowledge needed to produce baked products. Instruction will include understanding ingredients, proper production methods and standard cost analysis of the product. Students are taught proper safety and sanitation requirements along with tools and equipment needed to complete tasks</p>	9-12			Hospitality and Tourism						
0510	<p><b>Upholstery - Recommended for Students Grades 9 - 12</b> - Course exposes students to the tools, materials, and techniques used to fit and repair furniture with material coverings, padding, fillers, and springs. Course content includes selection of furniture and fabric; design and construction of upholstery projects; and finishing and trimming furniture.</p>	9-12			Arts, Audio-Video Technology and Communications	Architecture and Construction					
0511	<p><b>Fashion Design - Recommended for Students Grades 9 - 12</b> - This course is designed to advance individual students in their chosen area of fashion. Students will be involved in advanced clothing construction, fashion illustration and writing, fashion history and trend analysis; specialty design and line development; accessory design, basic pattern making; psychology of color; textiles and textile design, as well as home textiles; fashion portfolio. Students will learn to use Auto CAD- CADTURNS to create their own patterns on computer. May include internship component or team teaching with drama/theatre.</p>	9-12			Arts, Audio-Video Technology and Communications						
0512	<p><b>Advanced Foods - Recommended for Students Grades 9 - 12</b> - Students will apply menu selection, culinary nutrition, and menu designs to creating weekly menus for catering or other entrepreneurship projects. Students may apply for the jobs of manager, assistant manager, food and beverage director, director of sales, and business manager within developed/designed businesses. Independent work in the labs and research will also be required. FCCLA, a student leadership program is an integral part of the class.</p>	9-12			Hospitality and Tourism	Manufacturing					







0523	<p><b>Housing/Interior Design - Recommended for Students Grades 9 - 12</b> - Course provides students with basic knowledge regarding design and decoration of places of work and living, i.e., homes, apartments, offices, restaurants, hotels. Elements of color, traffic patterns, architectural design, lighting (natural and artificial), cultural aspects, remodeling/code compliance, maintenance, and management will be explored. Career exploration may also be part of the course.</p>	9-12			Manufacturing	Architecture and Construction					
0524	<p><b>Home Management - Recommended for Students Grades 6 - 8</b> - Course provides information about the devices and systems found in the home. Areas covered include electrical wiring, plumbing, window and door repair and installation, wall and floor repair and finishing, furniture repair and finishing, and small appliance repair. Heating and cooling devices along with other automatic systems may be included.</p>	6-8									
0525	<p><b>Introduction to Leadership - Recommended for Students Grades 6 - 8</b> - Course introduces students to community service projects, personal development and goal setting, teamwork, problem solving skills and character development through the organization referred to as Family, Career and Community Leaders of America (FCCLA). Membership in FCCLA is a requirement.</p>	6-8									
0526	<p><b>Family and Consumer Sciences Education - Integrated - Recommended for Students Grades 9 - 12</b> - Course can take many forms, but will combine subjects within the Family and Consumer Sciences field with those from another field, such as sciences, auto mechanics or health. These courses may be team-taught by teachers from each discipline.</p>	9-12			Human Services	Hospitality and Tourism					

0528	<p><b>Hospitality, Tourism and Recreation - Recommended for Students Grades 9 - 12</b> - Course provides basic knowledge plus work experience for the student who is interested in a career in travel and tourism. Areas of study may cover culinary arts, lodging occupations, travel services, customer service and management of recreation, leisure programs or events. Property management, restaurant management, and supportive services to these industries are part of the courses.</p>	9-12			Health Science	Marketing Sales and Service	Hospitality and Tourism				
0530	<p><b>Entrepreneurship - Recommended for Students Grades 11 - 12</b> - Course acquaints students with the knowledge and skills necessary to own and operate their own businesses. Topics from several areas can form the content, and business management principles, economics, computer applications; mathematics and communication skills may be part of the overall content. The topic is usually at the discretion of the students and teacher based on their perception of what would be successful. Students are trained in the National Restaurant Association ServSafe Program.</p>	11-12									
0532	<p><b>ProStart I - Recommended for Students Grades 9 - 12</b> - Sequential course designed to introduce students to industry standards such as customer relations, accounting, food cost controls and marketing. Students are also encouraged to explore a wide variety of careers found in the hospitality and restaurant industries. Students are trained in the National Restaurant Association's ServSafe Program. School districts involved in this program must complete an RFP process and be a recognized site. Students are trained in the National Restaurant Association's ServSafe Program. (Co-sponsored by National Restaurant Association Education Foundation).</p>	9-12			Hospitality and Tourism	Human Services					
0533	<p><b>ProStart II - Recommended for Students Grades 10 - 12</b> - Sequential course designed for students pursuing careers in hospitality/food service. This is an intensive program involving topics covering entrepreneurship and managerial techniques, portfolio and customer service skills, safety and sanitation, catering, quick serve, full service, knife skills, plate presentation, and teamwork. Students are trained in the National Restaurant Association's ServSafe Program. Students who complete the program, the 400-hour internship, and pass the national exam leave high school with a national certification. Co-sponsored by National Restaurant Association Education Foundation.</p>	10-12			Hospitality and Tourism	Human Services					

0536	<b>Fashion Design and Merchandising III – Grades 11-12</b> – This course continues to build on previous skills with practice in construction and design. Students are introduced to advance construction techniques as well as patternmaking and clothing alteration and draping on a dress form. Students receive information on educational opportunities in fashion.	11-12			Arts, Audio-Video Technology and Communications						
0537	<b>Fashion Design and Merchandising IV – Grade 12</b> – The student works independently on projects designed with the teacher to address areas of interest within the fashion industry. Projects could include work-study, on-line study and dual credit college coursework.	12			Arts, Audio-Video Technology and Communications						
0539	<b>ProStart Internship - Recommended for Students Grades 10 - 12</b> - Sequential course designed to provide the work experience component of the ProStart program of study. Student will work in an industry-based setting and be evaluated by work-based competencies. A total of 400 hours must be completed in the internship in order to receive the industry-recognized certification.	10-12			Hospitality and Tourism	Human Services					
0540	<b>Introduction to Hospitality &amp; Tourism - Recommended for Students Grades 9 - 12</b> - Course introduces students to careers in the hospitality industry, professionalism, and how to build a career in the industry. Other topics such as guest service, reservations, economic development, safety and security, maintenance can be covered.	9-12			Hospitality and Tourism	Business Management and Administration					

0549	<p><b>Lodging Management Internship - Recommended for Students Grades 10 - 12</b> - Sequential course designed to provide the work experience component of the Lodging Management Program (LMP) program of study. Student will work in an industry-based setting and be evaluated by work-based competencies. Varying numbers of hours must be completed in the internship in order to receive the industry-recognized certification.</p>	10-12				Hospitality and Tourism	Business Management and Administration				
0550	<p><b>Child and Human Development – Young Children – Grades 9-12</b> – Student explores areas of study including careers in early childhood development and education. Exploration in education psychology and theories while understanding the development of humans from conception to death. Focus is on the young child including growth, development, health and safety, learning environments, accommodations to learning and human relationships.</p>	9-12				Human Services	Education and Training				
0552	<p><b>Child Development II – Grades 11-12</b> – In Child Development II, the student/mother learns about infants ranging in age from birth to fifteen months. The student works cooperatively with the instructor and the childcare assistants, observing and participating in activities, routines, and practices that encourage the physical, social, cognitive, and emotional development of the infants. Some of the topics in Child Development II include, but are not restricted to, child growth and development, safety and health, learning environment, relationships, pregnancy and prenatal care, and career readiness.</p>	11-12				Human Services	Education and Training				
0553	<p><b>Child Development Lab II – Grades 10-12</b> – Child Development Laboratory II (CDLI) is the second lab experience for a student developing proficiency in the care and education of infants and toddlers. In this lab, the parenting student applies health and safety standards in age-appropriate learning environments and identifies interests and aptitudes that relate to early childhood careers. The student also identifies counseling and mental health resources that may be of assistance to the student and/or his/her child. The student's lab experiences correspond to his/her child's developmental stage.</p>	10-12				Human Services	Education and Training				

0554	<p><b>Child Development Lab III – Grades 11-12</b> – Child Development Laboratory III (CDLIII) is the third lab experience for a student demonstrating proficiency in the care and education of infants and toddlers. The parenting student demonstrates proficiency in the application of health and safety standards in a state-licensed childcare facility and applies knowledge of developmentally appropriate activities in a learning center. The student engages counseling and/or mental health services to solve relationship issues and analyzes personal interests that correspond to early childhood careers. The student's lab experiences correspond to his/her child's developmental stage.</p>	11-12			Human Services	Education and Training					
0555	<p><b>Child Development Lab IV – Grade 12</b> – Child Development Laboratory IV (CDLIV) is the fourth lab experience for a student employing proficiency in the care and education of infants and toddlers. The parenting student assesses the health and safety procedures in a licensed childcare facility, evaluates the counseling and mental health services available to pregnant and parenting teens, analyzes a variety of learning environments for age appropriateness, and evaluates personal interests that determine career choices.</p>	12			Human Services	Education and Training					
0562	<p><b>Teacher Academy 1 (Education Methodology)</b> - This course introduces the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. Students will focus on the Educators Rising Standards 1-4: 1) Understanding the Profession, 2) Learning about Students, 3) Building Content Knowledge, and 4) Engaging in Responsive Planning. Teacher Academy courses are often accompanied by opportunities to observe and intern in preschool, elementary and middle school classrooms.</p>	9-12	Code		Education and Training						
0563	<p><b>Teacher Academy 2 (Education Internship)</b> -This course introduces the principles underlying teaching and learning, focused on Educators Rising Standards 5-7: 5) Implementing Instruction, 6) Using Assessments and Data and 7) Being a Reflective Practitioner. This course typically provides opportunities for students to develop their own teaching objectives, to design and implement lesson plans, and to experience teaching in a controlled environment under the supervision of a cooperating teacher.</p>	9-12	Code		Education and Training						

0570	GRADS - Recommended for Students Grades 9 - 12 - Course is a specialized curriculum designed for students who are parents or parents-to-be who are in school, hold jobs and balance this with care of a child. Case Management is an integral part of this course. MUST BE A GRADS RECOGNIZED SITE IN ORDER TO COUNT STUDENTS IN THIS COURSE.										
		9-12		GRADS							
0574	GRADS -Pregnancy Prevention - (Project Taking Charge) - Recommended for Students Grades 6 - 8 - A values-based, abstinence-focused course for middle and junior high school students. The project integrates career exploration and parental involvement; interpersonal and family communications; decision making and goal setting; adolescent sexuality education; domestic violence and sexual abuse and refusal skills MUST BE A GRADS RECOGNIZED SITE IN ORDER TO COUNT STUDENTS IN THIS COURSE.										
		6-8		GRADS							
0575	GRADS Pregnancy Prevention - Recommended for Students Grades 6 - 9 - A values-based, abstinence-focused course for middle and junior high school students. The project integrates career exploration and parental involvement; interpersonal and family communications; decision making and goal setting; adolescent sexuality education; domestic violence and sexual abuse and refusal skills. MUST BE A GRADS RECOGNIZED SITE IN ORDER TO COUNT STUDENTS IN THIS COURSE.										
		6-9		GRADS							
0576	GRADS- Teen Pregnancy - Recommended for Students Grades 9 - 12 - A course designed for the expectant teen and or teen father. Topics may include: Surviving teen pregnancy, the importance of prenatal care, prenatal development, birth and delivery, healthy eating habits, substances and chemicals to avoid, FAS, goal-setting, decision-making, staying in school, communicating with father and his family, and community economic independence, and resources for teen parent. MUST BE A GRADS RECOGNIZED SITE IN ORDER TO COUNT STUDENTS IN THIS COURSE.										
		9-12		GRADS							



0580	<p><b>GRADS - Newborn - Recommended for Students Grades 9 - 12</b> - A course designed for the teen that is parenting a newborn baby under 1 year old. Topics may include: Goal-setting, decision-making, time management, Child development from Birth to 1 year, brain development, child support, selecting a daycare, bonding, nutrition, medical attention, economic independence, and three generational living. MUST BE A GRADS RECOGNIZED SITE IN ORDER TO COUNT STUDENTS IN THIS COURSE.</p>	9-12	GRADS								
0581	<p><b>GRADS - Parenting - Recommended for Students Grades 9 - 12</b> - A course designed for the teen parent with a child 1-3years old. Topics may include: Child development for toddlers, brain development, career planning, job portfolios, family law, decision-making, goal-setting, second-hand smoke and health issues, child hood diseases, healthy relationships, family planning, and economic independence custody and father rights. MUST BE A GRADS RECOGNIZED SITE IN ORDER TO COUNT STUDENTS IN THIS COURSE.</p>	9-12	GRADS								
0582	<p><b>GRADS - Fatherhood - Recommended for Students Grades 9 - 12</b> - Course addresses legal issues, fosters bonding and healthy relationships, and addresses both child development and parenting skills and fosters positive outcomes for the child. Course can provide classroom instruction to traditional students as a preventative measures. MUST BE A GRADS RECOGNIZED SITE IN ORDER TO COUNT STUDENTS IN THIS COURSE.</p>	9-12	GRADS								
0583	<p><b>GRADS - Independent Living - - Recommended for Students Grades 9 - 12</b> - A course designed for the teen parent with pre-school age children. Topics may include: Living on your own, budgeting, checking accounts, savings, taxes, job security and advancement, continuing education, balancing work and family, economic independence, reading and language development, parent-child interaction, Child development of pre-school children, and discipline, child abuse, and sexual transmitted diseases. MUST BE A GRADS RECOGNIZED SITE IN ORDER TO COUNT STUDENTS IN THIS COURSE.</p>	9-12	GRADS								

0597	<p><b>Teaching and Practicum - OJT</b> - Course, work experience is gained within the public school sector. Although goals may be set cooperatively by the student, teacher, and employer, classroom attendance or experience is not an integral part of the Teaching and Practicum - OJT experience.</p>	10-12	Code		Human Services	Education and Training					
0599	<p><b>Family and Consumer Sciences Education - Recommended for Students Grades 6 - 12</b> – Other. Typically used with advanced dual credit topics.</p>	6-12			Hospitality and Tourism						
0603	<p><b>Cosmetology - Licensing - Recommended for Students Grades 11 - 12</b> - Courses provide students with the knowledge and skills applicable to the care of hair, skin, and nails, and prepare students for the state's Board of Cosmetology examinations. Almost always a series of courses with a specified number of instructional hours, Cosmetology-Licensing courses also require applied experience. Course content covers such topics as human anatomy and skin conditions, chemistry and bacteriology, sanitation and sterilization, state laws and regulations, and shop management. Experiences are provided in shampooing, cutting, styling, bleaching, coloring, tinting, waving, and relaxing hair; and providing facials and manicures.</p>	11-12			Human Services						
0604	<p><b>Barbering - Recommended for Students Grades 11 - 12</b> - Courses provide students with the skills and experience to shave, style, and trim mustaches and beards, and to cut, shampoo, and style hair. Course topics include hygiene, skin and scalp disease, and use of equipment. Barbering courses may aim to prepare students for the state's licensing examinations and may include topics similar to those included in Cosmetology courses.</p>	11-12			Human Services						

0605	<b>Cosmetology-Non licensing - Recommended for Students Grades 11 - 12</b> - Courses provide students with the knowledge and skills applicable to the care of hair, skin, and nails, but do not necessarily prepare students for the state's Board of Cosmetology examinations. Experience is gained in hair care, facials, and manicures; course topics may include human anatomy, sanitation and sterilization, and chemistry and bacteriology. Shop management and state regulations may be included.	11-12			Human Services						
0606	<b>Cosmetology-Nail Specialization - Recommended for Students Grades 11 - 12</b> - Courses offer experience in providing manicures, pedicures, and nail extension treatments. These courses may also include topics such as hygiene; entrepreneurship, human relations, and other related subject matter.	11-12			Human Services						
0607	<b>Cosmetology-Facial Specialization - Recommended for Students Grades 11 - 12</b> - Courses offer information and experience related to skin care, the provision of facials, make up application, and facial massage. These courses may also include topics such as hygiene and sanitation, human anatomy and skin conditions, entrepreneurship, and/or human relations.	11-12			Human Services						
0695	<b>Cosmetology-Related Subjects - Recommended for Students Grades 11 - 12</b> - Courses in this category offer instruction in related topics that are necessary or helpful in cosmetology occupations; such topics may include mathematics, science, entrepreneurship, and so on.	11-12			Human Services						

0698	<b>Cosmetology Internship - Recommended for Students Grades 11 - 12</b> - Courses provide work experience in the cosmetology field supported by classroom attendance and discussion. Goals are set for the employment period; classroom experience may involve further study in the field, improvement of employability skills, or discussion regarding the experiences and problems encountered on the job.	11-12			Human Services						
0699	<b>Cosmetology - Other - Recommended for Students Grades 11 - 12</b> -- Other. Typically used with advanced dual credit topics.	11-12			Human Services						
0701	<b>Drafting Careers Exploration - Recommended for Students Grades 6 - 8</b> - This course is geared for students with a possible interest in careers that use drafting skills and applications. Drafting Careers Exploration courses expose students to the opportunities available for a drafts person (engineering, architectural, industrial, and other fields). These courses serve to introduce basic skills and the field in general, providing students the opportunity to identify a focus for continued study or to determine that their interests lie elsewhere.	6-8									
0702	<b>Drafting-General - Recommended for Students Grades 9 - 12</b> - Courses usually offered as a sequence of courses, introduce students to the technical craft of drawing illustrations to represent and/or analyze design specifications, and then refine the skills necessary for this craft. Drafting-General courses use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, multi-view projections, and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives.	9-12			Agriculture, Food and Natural Resources	Science Technology Engineering and Math	Arts Audio-Video Technology and Communications	Architecture and Construction			

0703	<b>Drafting-Architectural - Recommended for Students Grades 10 - 12</b> - Courses introduce and refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from architectural applications. General drafting skills are developed, but a particular emphasis is placed on interior and exterior residential (and light commercial) design, site orientation, floor plans, electrical plans, design sketches, and presentation drawings. Students may prepare scale models.	10-12			Science, Technology, Engineering and Math	Manufacturing	Architecture and Construction	Arts, Audio-Video Technology and Communications			
0704	<b>Drafting-Civil/Structural - Recommended for Students Grades 10 - 12</b> - Courses introduce and refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from civil engineering and/or structural applications. General drafting skills are developed, but a particular emphasis is placed on skills needed for typography and survey work.	10-12			Science, Technology, Engineering and Math	Manufacturing	Architecture and Construction	Arts, Audio-Video Technology and Communications	Government and Public Administration		
0705	<b>Drafting-Electrical/Electronic - Recommended for Students Grades 10 - 12</b> - Courses introduce and refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from electric and/or electronic fields. General drafting skills are developed, but a particular emphasis is placed on skills needed for electrical and electronic schematics.	10-12			Manufacturing	Arts Audio-Video Technology and Communications	Architecture and Construction	Science Technology Engineering and Math			
0706	<b>Drafting-Technical/Mechanical - Recommended for Students Grades 10 - 12</b> - Courses introduce and refine the technical craft of drawing illustrations to represent and/or analyze design specifications, using examples drawn from industrial applications. General drafting skills are developed, but a particular emphasis is placed on sectioning, auxiliary views, revolutions, and surface development. Basic machining and fabrication processes may be introduced as students draw schematic diagrams featuring cams, gears, linkages, lever, pulleys, and so on. Drafting-Technical/Mechanical courses are often used as prerequisites for other drafting courses.	10-12			Manufacturing	Arts Audio-Video Technology and Communications	Architecture and Construction	Science Technology Engineering and Math			

0707	<p><b>Computer Design and Software - Recommended for Students Grades 10 - 12 -</b> Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course); Computer Design and Software courses introduce students to the computer aided drafting systems available in the industry.</p>	10-12	Description		Information Technology	Architecture and Construction	Manufacturing	Science Technology Engineering and Math			
0712	<p><b>Blueprint Reading-General - Recommended for Students Grades 10 - 12 -</b> Courses provide students with the knowledge and ability to interpret the lines, symbols, and conventions of drafted blueprints. The general emphasis is on interpretation, not production, of blueprints, although the courses may provide both types of experiences. General Blueprint Reading courses use examples from a wide variety of industrial and technological applications.</p>	10-12			Manufacturing	Architecture and Construction	Manufacturing				
0715	<p><b>Architectural Engineering 2 - Grades 10-12 –</b> In Architectural Engineering II, the student develops a set of house plans using computers in drawing and problem-solving activities. The student incorporates advanced commands into projects and integrates general employability skills with architectural coursework.</p>	10-12	Description		Science, Technology, Engineering and Math	Architecture and Construction					
0716	<p><b>Architectural Engineering 3 – Directed Studies – Grades 11-12 -</b> In Architectural Engineering 3 – Directed Studies, the student pursues advanced directed study in an area of Architectural graphics, building on the skills developed in earlier Architectural Engineering courses. The Student produces a project(s) that demonstrates knowledge of Architecture content guided by the instructor. Student has the ability to work independently, to form goals, become familiar with careers and develop work habits of professionals. Literacy is integrated throughout the course.</p>	11-12	Description		Architecture and Construction	Science Technology Engineering and Math	Manufacturing				

0717	<p><b>Architectural Engineering 4 – Independent Studies – Grade 12-</b> In Architectural Engineering 4 - Independent Studies, a student pursues advanced individual study in an area of Architectural graphics through an Industry work-site experience or through an independent and instructor guided project. The student assumes responsibility for identifying, pursuing, and culminating an activity that expands knowledge about some phase of the Architecture industry. Student researches career fields and employability requirements that fit the skills developed in the course. Literacy is integrated through the course.</p>	12	Description		Architecture and Construction	Science Technology Engineering and Math	Manufacturing				
0718	<p><b>Computers and Engineering 2 - Grades 10-12-</b> In Computers and Engineering II, the student utilizes the computer to learn advanced drafting techniques while applying drafting theories and standards to solve design problems. The student focuses on the integration of general employability with the course design problems.</p>	10-12	Description		Architecture and Construction	Science Technology Engineering and Math	Manufacturing				
0719	<p><b>Computers and Engineering 3 – Directed Studies – Grades 11-12-</b> In Computers and Engineering 2 – Directed Studies, the student pursues advanced directed study in an area of Engineering graphics, building on the skills developed in early Computers and Engineering courses. The student produces a project(s) that demonstrates knowledge of Engineering content guided by the instructor. Student has the ability to work independently, to form goals, become familiar with careers and develop work habits of professionals. Literacy is integrated throughout the course.</p>	11-12	Description		Architecture and Construction	Science Technology Engineering and Math	Manufacturing				
0720	<p><b>Computers and Engineering 4 – Independent Studies – Grade 12 -</b> In Computers and Engineering 4 – Independent Studies, a student pursues advanced individual study in an area of engineering graphics through an industry work-site experience or through an independent and instructor guided project. The student assumes responsibility for identifying, pursuing, culminating an activity that expands knowledge about some phase of the Engineering industry. Student reaches career field and employability requirements based on skills developed in this course. Literacy is integrated throughout the course.</p>	12	Description		Architecture and Construction	Science Technology Engineering and Math	Manufacturing				

0795	<b>Drafting-Related Subjects - Recommended for Students Grades 10 - 12</b> - Courses in this category offer instruction in related topics that are necessary or helpful in drafting occupations; such topics may include mathematics, art, design, technical reading, or other related topics.	10-12			Architecture and Construction	Manufacturing					
0796	<b>Drafting-Independent Study - Recommended for Students Grades 10 - 12</b> - Courses often conducted with instructors as mentors enable students to explore drafting related topics of interest in greater depth and detail. Independent Study courses may serve as an opportunity to expand expertise in a particular industry application, to explore a topic of special interest within a related industry, or to develop greater drafting skills.	10-12			Architecture and Construction						
0798	<b>Drafting-Co-Op - Recommended for Students Grades 11 - 12</b> - Courses provide work experience in marketing careers, and are supported by classroom attendance and discussion. Goals are set for the employment period; classroom experience may involve further study in the field, improvement of employability skills, or discussion regarding the experiences and problems encountered on the job.	11-12			Architecture and Construction						
0799	<b>Drafting - Recommended for Students Grades 6 - 12</b> - Other. Typically used with advanced dual credit topics.	6-12			Architecture and Construction						









[illegible]







0872	<p><b>Chess - Recommended for Students Grades 7 - 12</b> - Course designed for students who wish to learn and develop an advanced level of performance skills and knowledge of concepts related to the game of chess. The course will focus on knowledge of rules, principles of chess, chess theory, winning tips, game strategies, and the history of the game. Students will develop skills through a variety of class activities.</p>	7-12									
0873	<p><b>Math Engineering Science Achievement (MESA)</b> - Course incorporates hands on, real-world math activities into a variety of practical scientific situations by using experimental skills and processes to reach solutions. Students are challenged to discover hidden principles of math, science, engineering, and technology and apply these principles through the use of critical thinking, problem solving, and decision making by using theoretical frameworks, and by developing prototypes and working models.</p>	7-12									
0874	<p><b>Corps Movement</b> - Course emphasizes physical conditioning fundamentals of movement, group precision, and public performance. The course may be intended for members of various teams, including flag corps, rifle corps, cheerleading squads, and so on. (Not permitted as physical education credit in New Mexico.)</p>	7-12									
0880	<p><b>Job for America's Graduates (JAG) Career Awareness - Recommended for Students Grades 9 - 12</b> - Course includes in-classroom instruction for high school sophomores. Students will develop the following competencies in a structured JAG curriculum: Career development encompasses students' awareness of special aptitudes, abilities, interests, life goals and desired life styles. Students acquire Information about the world of work, various occupations and career paths. Students develop basic writing and math skills critical to success both on the job and in everyday life. Leadership skills develop functional team and organizational skills. Personal skills enable students to understand and develop value systems, responsibility, and decision-making skills and to set realistic goals.</p>	9-12		JAG		Human Services					



0881	<p><b>Job for America's Graduates (JAG) Career and Job Exploration - Recommended for Students Grades 9 - 11</b> - Course includes in-classroom instruction for students to develop the following competencies within a structured JAG curriculum. Students build on prior competencies: Career development encompasses students' awareness of special aptitudes, abilities, interests, life goals and desired life styles. Students acquire information about the world of work, various occupations and career paths. Students develop basic writing and math skills critical to success both on the job and in everyday life. Leadership skills develop functional team and organizational skills. Personal skills enable students to understand and develop value systems, responsibility, and decision-making skills and to set realistic goals.</p>	9-11	JAG	Human Services						
0882	<p><b>Job for America's Graduates (JAG) Employability and Advancement - Recommended for Grades 10 - 12</b> - Course includes in-classroom instruction for high school sophomores, juniors and seniors. Students will develop the following competencies in a structured JAG curriculum. Students build on prior competencies and add competencies in job attainment and work-based learning: Career development encompasses students' awareness of special aptitudes, abilities, interests, life goals and desired life styles. Students acquire information about the world of work, various occupations and career paths. Students develop basic writing and math skills critical to success both on the job and in everyday life. Leadership skills develop functional team and organizational skills. Personal skills enable students to understand and develop value systems, responsibility, decision making skills and to set realistic goals. Job attainment provides intensive training in job search techniques and placement in a work experience. The course provides students realistic skills for handling the day-to-day work environment for continued success on the job.</p>	10-12	JAG	Human Services						
0887	<p><b>Academic Career Experience (ACE) I – Grades 9-12</b> – Through work experiences as supported by portfolio, the student explores personal and career interests, aptitudes and abilities. Personal management of time, health, and finances are also included. The necessary components of a productive and successful career are examined: technical knowledge, responsible and ethical behavior, and goal setting. Literacy strategies are integrated throughout the course.</p>	9-12	ACE							
0888	<p><b>Academic Career Experience (ACE) II – Grades 10-12</b> – Through work experiences the student develops career decision-making and employability skills to gain an understanding of workplace cultures and expectations. The student develops an understanding of the competing demands and responsibilities that are part of the world of work and learns how to balance those roles in his/her own life. The ability to work well with others; understand complex interrelationships; work with a variety of technologies; acquire and use information; organize, plan, and allocate resources; and safety are included in the curriculum and evidenced through a portfolio. Literacy strategies are integrated throughout the course.</p>	10-12	ACE							

0889	<p><b>Academic Career Experience (ACE) III – Grades 11-12</b> – Through work experiences the student continues to develop career decision-making and employability skills to further expand and gain an in depth understanding of workplace cultures and expectations. The student demonstrates an understanding of the competing demands and responsibilities that are part of the world of work and learns how to balance those roles in his/her own life. The ability to work well with others; understand complex interrelationships; work with a variety of technologies; acquire and use information; organize, plan, and allocate resources; and safety are included in the curriculum and evidenced through a portfolio. Literacy strategies are integrated throughout the course.</p>	11-12	ACE								
0890	<p><b>College Success - Recommended for Grades 11 - 12</b> - This course is designed to provide students with tools, techniques, and resources to enhance academic performance and persistence. Concepts covered in this class will assist students in the transition to college and/or concurrent/dual credit enrolment. Time and stress management, college expectations and procedures, learning and teaching styles, study skills and career planning are a focus of the course.</p>	11-12									
0891	<p><b>AVID 6-8 – Grades 6-8</b> – Advancement Via Individual Determination (AVID 6, 7, 8) is an academic elective course that prepares students for success in high school and future college level coursework. This class focuses on developing writing, inquiry, collaboration, and reading through the content areas as well as communication, self-advocacy, leadership, and organization/time management skills.</p>	6-8	AVID								
0892	<p><b>AVID 9 – Grade 9</b> – Advancement Via Individual Determination (AVID 9) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. <u>AVID 9 assists in students in becoming aware of interests, talents, abilities, as well as planning for personal and academic development.</u></p>	9	AVID								



0897	<p><b>AP Seminar – Grades 10-11</b> - This course is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	10-11		AP							
0898	<p><b>AP Research – Grades 11-12</b> - This course allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan and conduct a yearlong mentored, research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic thesis paper of approximately 5,000 words and a presentation, performance, or exhibition with an oral defense. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	11-12		AP							
0899	<p><b>Elective Activities - Other - Recommended for Grades 7 - 12</b> – Other. Typically used with advanced dual credit topics.</p>	7-12									
0901	<p><b>Introduction to Automobiles - Recommended for Students Grades 9 - 12</b> - Course primarily intended as a personal automobile technician course, but also designed for students exploring future careers in automotive technologies. Introduction to Automobiles courses offer an introduction to the various mechanical systems in automobiles and basic experience in maintenance tasks. The course may also cover career opportunities in the auto and/or transportation field.</p>	9-12			Transportation, Distribution and Logistics						

0911	<p><b>Introduction to Transportation - Recommended for Students Grades 9 - 12</b> - Course introduces the principles underlying various kinds of transportation (aircraft, auto, diesel, and marine) and how energy is converted, transmitted, and controlled. The courses also provide information on career opportunities within the field of mechanics and/or transportation. Students learn employability skills, use of tools, and safety.</p>	9-12			Transportation, Distribution and Logistics						
0912	<p><b>Automotive Technology-Comprehensive - Recommended for Students Grades 9 - 12</b> - Automotive Service courses emphasize preventative auto maintenance and automobile troubleshooting. Course content typically includes tune-up, oil change, and lubrication skills; tire replacement, alignment, and balancing; and basic knowledge of brake, cooling, electrical, emission, fuel, ignition, steering, suspension, and transmission systems. These courses may also include public relations, sales techniques, and service station management.</p>	9-12			Transportation, Distribution and Logistics						
0913	<p><b>Particular Topics in Automotive Technology - Recommended for Students Grades 9 - 12</b> - Course provides instruction in particular topics in the field of auto technology. Although typically covering the diagnosis and repair of automobiles, these courses concentrate upon or emphasize a particular system or condition, such as transmissions, brakes, fuel, exhaust, or electrical systems.</p>	9-12			Transportation, Distribution and Logistics	Science, Technology, Engineering and Math					
0915	<p><b>Diesel Mechanics-General - Recommended for Students Grades 10 - 12</b> - Course prepares students to maintain and repair diesel engines and related systems. Specific course topics may include principles underlying diesel engines, analyzing electrical circuits and systems, troubleshooting and repairing cooling systems, testing and repairing AC charging systems, reading and interpreting service manuals, and identifying the principles and components of fuel injection systems. Courses may also cover safety, employability skills, and entrepreneurship.</p>	10-12			Transportation, Distribution and Logistics	Agriculture, Food and Natural Resources					

0916	<p><b>Particular Topics in Diesel Mechanics - Recommended for Students Grades 10 - 12 -</b> Course covers specific topics relevant to occupations involving the maintenance and repair of vehicles with diesel engines, such as buses and trucks. One topic (or several closely related topics) concerning diesel mechanics is covered in specific detail in this type of course.</p>	10-12			Transportation, Distribution and Logistics	Agriculture, Food and Natural Resources					
0917	<p><b>Motorcycle Mechanics - Recommended for Students Grades 10 - 12 -</b> Course provides training for prospective motorcycle repairers and mechanics. Topics include (but are not limited to) the maintenance of frames and suspension, wheels and brakes, and drive trains; the servicing of fuel, exhaust, and electrical systems; performance of tune ups; and the maintenance and repair of motorcycle engines. Students may also learn safety on the job, employability skills, and entrepreneurship.</p>	10-12			Transportation, Distribution and Logistics	Agriculture, Food and Natural Resources					
0918	<p><b>Small Engine Mechanics - Recommended for Students Grades 10 - 12 -</b> Course provides students with the opportunity to learn to service and recondition small engines. Typically, two and four cycle engines are emphasized, although content may also include others. Opportunities are provided to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand, power, and overhaul tools; read and interpret service manuals and parts' catalogs. Applications may include lawn mowers, tractors, tillers, power tools, and so on</p>	10-12			Transportation, Distribution and Logistics	Agriculture, Food and Natural Resources					
0919	<p><b>Marine Mechanics - Recommended for Students Grades 10 - 12 -</b> Course includes the service and repair of electrical, mechanical, power transfer, hydraulic, fuel, and cooling systems as applied to boat and/or ship engines; boat rigging; trailers; and sales merchandise. Courses may also cover communication, human relations, and employability skills, as well as safe, efficient work practices.</p>	10-12			Transportation, Distribution and Logistics	Agriculture, Food and Natural Resources					

0920	<b>Auto Tech 2 - Grades 10 – 12</b> - This is a second sequential course in an automotive program of study meant to take a student into higher- level knowledge and skill development.	10-12			Transportation, Distribution and Logistics						
0921	<b>Auto Tech 3 - Grades 10 – 12</b> - This is a third sequential course in an automotive program of study meant to take a student into higher- level knowledge and skill development.	10-12			Transportation, Distribution and Logistics						
0922	<b>Aircraft Power Plant - Recommended for Students Grades 10 - 12</b> - Course provides the information necessary to troubleshoot, test, repair, and install aircraft engines. Course content usually includes engine ignition, electrical, lubrication, cooling, exhaust, and fuel systems, along with aircraft instrumentation and safety features.	10-12			Transportation, Distribution and Logistics	Science, Technology, Engineering and Math					
0923	<b>Aircraft Airframe - Recommended for Students Grades 10 - 12</b> - Course offers information and instruction related to the structure and mechanics of aircraft, typically including hydraulic and pneumatic, instrumental, fuel, electrical, cabin atmosphere, and landing gear systems. Aircraft metals and coverings and related welding skills are also covered within Aircraft Airframe courses.	10-12			Transportation, Distribution and Logistics	Science, Technology, Engineering and Math	Manufacturing				

0933	<p><b>Automotive Detailing and Reconditioning - Recommended for Students Grades 10 - 12 -</b> Course provides training for employment as an automotive body or related repairer, an automotive detailer, and a new and used car preparation person. In these courses, students learn occupational safety rules; employability and entrepreneurship skills; how to clean vehicle interiors, engines, and exteriors; how to recondition paint and vinyl vehicle surfaces; how to perform minor upholstery and vinyl repairs; and how to apply vinyl pinstripes and window tint.</p>	10-12			Transportation, Distribution and Logistics						
0942	<p><b>Automotive Body Repair and Refinishing-General - Recommended for Students Grades 10 - 12 -</b> Course provides training for occupations involving the repair and refinishing of damaged or used cars. Course content may include (but is not limited to) stretching and shrinking auto body sheet metal; welding skills; frame and metal straightening; repair of fiberglass and synthetic materials; removing, repairing, and installing auto body parts such as panels, hoods, doors, and windows/glass; preparing vehicles and vehicle surfaces for refinishing; painting; applying body fillers; and estimating material and labor costs.</p>	10-12			Transportation, Distribution and Logistics						
0943	<p><b>Particular Topics in Automotive Body Repair and Refinishing - Recommended for Students Grades 10 - 12 -</b> Course provides specific instruction in individual topics relevant to the repair and refinishing of automobile bodies and surfaces. One topic or several closely related topics (such as non-structural part replacement, auto body welding, or plastic repair) receive particular attention in this type of course.</p>	10-12			Transportation, Distribution and Logistics						
0944	<p><b>Boat Repair/Refinishing - Recommended for Students Grades 10 - 12 -</b> Course conveys a broad range of information and skills about how to repair and refinish boat mechanics, structures, and surfaces. In these courses, students become proficient in marine terminology, learn to describe types of marine manufacturing and occupations, and learn to prepare new and existing wood, fiberglass, and metal surfaces for painting or refinishing. Safety, employability skills, and entrepreneurship are also included.</p>	10-12			Transportation, Distribution and Logistics						



0953	<p><b>Aviation - Recommended for Students Grades 10 - 12</b> - Course provides an understanding of the science of flight and typically includes the history, regulations, and possible career paths within the aviation industry. Physics, the relationships of weight and balance, principles of navigation and flight control, airport operations and services, and Federal Aviation Agency regulations.</p>	10-12			Transportation, Distribution and Logistics	Science, Technology, Engineering and Math					
0954	<p><b>Barge and Boat Operation - Recommended for Students Grades 10 - 12</b> - Course prepares students for employment as ship, boat, and barge mates, boatswains, and deck hands. These courses cover navigation, operation, maintenance, loading and unloading, and emergency procedures, as well as skills necessary for life at sea (for example, cooking). Specific topics may include docking and undocking a vessel, engine maintenance, using navigational equipment such as chronometers and compasses, firefighting aboard ship, and CPR.</p>	10-12			Transportation, Distribution and Logistics						
0955	<p><b>Aviation II - Recommended for Students Grades 10 - 12</b> - Course is a continuation of Aviation I with emphasis on instruction in basic mechanics and instrumentation of an aircraft engine, airframe and GPS (Global Satellite Systems); ground school. Interested students will be able to pass the private pilot written exam by the end of the school year. They may acquire airport management skills.</p>	10-12			Transportation, Distribution and Logistics	Science, Technology, Engineering and Math					
0963	<p><b>Energy/Power - Recommended for Students Grades 10 - 12</b> - Course focuses on one or several aspects of energy and power in transportation and work. Course content may include various sources of energy and their use in society. For example, characteristics, availability, conversion, storage, environmental impact, and socioeconomic aspects of various energy sources; principles involved in various means of energy transfer, such as electricity/electronics, hydraulics, pneumatics, heat transfer, and wind/nuclear/solar energies; and the transmission and control of power through mechanical or electrical devices such as motors and engines.</p>	10-12			Architecture and Construction	Science Technology Engineering and Math	Agriculture, Food and Natural Resources	Transportation Distribution & Logistics			

0964	<p><b>Advanced Career - Energy and Power Foundations 9 - 12</b> - This course aligns to SREB's Advanced Career Curriculum that engages students in a variety of hands-on, authentic projects to learn about energy and power methods through the design and construction of motors, pumps, heat exchangers, hydraulics and pipeline systems. These are the technologies used in large power plant systems to run and maintain processes in energy generation plants. Through contextual projects, students will learn and apply physics, chemistry, fluid mechanics, thermodynamics, algebra and statistics in learning how these systems interact in the energy and power arena. Students will learn how engineers and technicians use these systems in the real world to optimize efficiency.</p>	9-12	SREB	Science, Technology, Engineering and Math						
0965	<p><b>Advanced Career - Energy Transmission and Distribution 9 - 12</b> - This course aligns to SREB's Advanced Career Curriculum focuses on energy transmission and consumer usage. Through projects, students are introduced to AC and DC power, transformers, the electrical grid, Smart Grid, and consumer load on the electrical system. To complete projects, students will use Ohm's law, Joule's law of heating, root mean square, Pythagorean Theorem and trigonometric principles. Students will learn how energy travels along power lines and is converted from direct current to alternating current to end up, ultimately, in homes and businesses. Students will gain an understanding of how power companies move power — stepping it up and down to meet the needs of the end-user — by designing working transformers, capacitors, inverters and a power supply. This course is sequenced after the Advanced Career- Energy and Power Foundations course 0964.</p>	9-12	SREB	Science, Technology, Engineering and Math						
0966	<p><b>Advanced Career - Electronics and Control Systems 9 - 12</b> – In this aligned course to SREB's Advanced Career Curriculum, students will build on the knowledge and experience gained in the first two foundational courses. Through projects, students will apply their knowledge to more advanced systems and learn how to program and use National Instrument's LabVIEW software and the myDAQ (data acquisition device). Students will study advanced topics in energy and power such as smart-home automation, plant-level process control, natural gas pipeline monitoring, energy storage and wind power. Each project presents students with a design problem that will require them to not only design and build a prototype, but also develop the software program that will test the prototype and gather measurable, quantifiable data. This course is sequenced after the Advanced Career- Energy Transmission and Distribution course 0965.</p>	9-12	SREB	Science, Technology, Engineering and Math						
0967	<p><b>Advanced Career - Advanced Science and Engineering Systems 11 - 12</b> - Through well-developed projects in this advanced course that aligns to SREB's Advanced Career Curriculum, students will assume the roles of building technicians, design engineers, recreational engineers, electrical technicians and CEOs, while learning about real-world energy and power issues. Students will work with industry mentors to independently tackle real-world scenarios in the energy and power field. The projects in this course scaffold to allow students more choice in determining the final product for each project. This course incorporates knowledge of multiple sources of energy, engineered systems, societal impact and "the business of energy" as students engage in projects involving maglev trains, advanced concepts in steam energy, carbon sequestration and coal, hydraulic fracturing, alternative forms of fuel in transportation and environmental compliance. This course is sequenced after the Advanced Career - Electronics and Control Systems 0966.</p>	11-12	SREB	Science, Technology, Engineering and Math						



[illegible]



1009	<p><b>Language Arts Laboratory - Elective - Grades 9 - 12</b> - Course provides instruction in basic language skills, integrating reading, writing, speaking and listening while placing great emphasis on individual student progress. Course content depends upon student abilities upon entrance into the course, and may include vocabulary building, spelling and grammar, writing and composition, reading silently or aloud, and improving listening and comprehension abilities. Language Arts Laboratory courses may or may not be taught in a laboratory setting or resource center.</p>	9-12									
1010	<p><b>Literature --Elective - Grades 11 - 12</b> - Course offers the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical thinking skills as they determine the underlying assumptions and values within the reading selection, and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses and written compositions are sometimes required, often with an emphasis toward college preparation. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people.</p>	11-12			Arts, Audio-Video Technology and Communications						
1011	<p><b>Composition -- Elective -Grades 9 - 12</b> - Course focuses on a student's writing skills, and develops the student's ability to compose different types of papers for different purposes and audiences. Descriptive, narrative, persuasive, or expository styles are explored and practiced as students write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although creative writing opportunities may be presented, the focus of composition courses usually remains on nonfiction, scholarly, or formal writing.</p>	9-12			Arts, Audio-Video Technology and Communications						
1012	<p><b>AP English Language and Composition - Grades 11 - 12</b> - Course is designed to parallel college level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. Emphasis is placed on the interaction of authorial purpose, intended audience, and the subject at hand; students learn to develop stylistic flexibility as they write compositions covering a variety of subjects and intended for various purposes. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	11-12		AP	Arts, Audio-Video Technology and Communications						

1013	<p><b>AP English Literature and Composition -Grades 11 - 12</b> - Course is designed to parallel college level English courses. AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing). This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	11-12		AP	Arts, Audio-Video Technology and Communications						
1014	<p><b>IB Language A (English) - Grades 9 - 12</b> - Course prepares students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in depth study of literature chosen from the IB recommended list of text, authors, written analyses of literature, in addition to other oral and written assignments. All course content is designed to improve students' accuracy and fluency in the English language. IB Language A (English) may be offered as a singular or progressive series of courses.</p>	9-12		IB	Arts, Audio-Video Technology and Communications						
1015	<p><b>English I Intervention Course – Elective - Does NOT count for High School Graduation Credit - Grade 9</b> – This class will be offered in conjunction with the regular English I core course and will offer support to students who need this assistance to pass the English I core course. This course can be taken concurrently with the required course, or in preparation, prior to taking the required course. The instructor of this course shall be guided by the standards-based core curriculum of the regular course. It will emphasize the skills, concepts and processes needed by the students. An intervention program can be thought of as a cycle consisting of three phases: diagnostic assessment, instructional actions and follow-up assessments.</p>	9			Arts, Audio-Video Technology and Communications						
1016	<p><b>English II Intervention Course – Elective - Does NOT count for High School Graduation Credit - Grade 10</b> - This class will be offered in conjunction with the regular English II core course and will offer support to students who need this assistance to pass the English II core course. This course can be taken concurrently with the required course, or in preparation prior to taking the required course. The instructor of this course shall be guided by the standards-based core curriculum of the regular course. It will emphasize the skills, concepts and processes needed by the students. An intervention program can be thought of as a cycle consisting of three phases: diagnostic assessment, instructional actions and follow-up assessments.</p>	10			Arts, Audio-Video Technology and Communications						





1021	<p><b>Creative Writing – Elective -- Grades 6 - 12</b> - Course offers students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the class is on writing, although exemplary representations and authors may be studied to provide a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others may concentrate exclusively on one particular form (such as poetry or playwriting).</p>	6-12									
1022	<p><b>Technical Writing – Elective - Grades 9 - 12</b> - Course prepares students to write research papers and/or technical reports. Researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a persuasive or technical style are emphasized topics.</p>	9-12		Science	Business	STEM					
1023	<p><b>Poetry – Elective - Grades 9 - 12</b> - Students will learn and apply the elements of poetry; develop an appreciation for the language of poetry; become familiar with poets from various backgrounds and beliefs; and study multi-cultural and ethnic poetry.</p>	9-12									
1024	<p><b>Elementary Language Arts Intervention (Elementary setting)</b></p>	K-6		Elementary							



[illegible]





1062	<p><b>English Language Development (ELD) - Grades K - 12</b> - This course satisfies obligations under Title VI of the Civil Rights Act of 1964 for English Learner (EL) students to attain English language proficiency. This course code may be used for pull-out ELD instruction, or at the elementary level, for a dedicated ELD block of a minimum of 45 minutes during self-contained instruction. The purpose of this course is for students to attain English language proficiency, as measured by the department-approved annual English language proficiency assessment. This ELD course must provide specific instruction on the English language. Therefore, ELD instruction must be provided in English and focus on reading, writing, speaking, and listening skills. This ELD course must consider the English language proficiency level of ELs and must include instruction in the basic structures of the English language, social and instructional conversational English, and academic uses of the English language. An orientation to the customs and culture of people in the United States may be included in the ELD course. This course must follow the current state-adopted English Language Development (ELD) Standards Framework, the 2012 Amplification of the WIDA ELD Standards. This course code may be repeated. If this course code is used for ELD instruction that is part of a state-funded bilingual program at the elementary level, the teacher must have a Bilingual or TESOL endorsement. At the secondary level, the teacher must have a TESOL endorsement (cannot be substituted with a Bilingual endorsement).</p>	K-12									
1063	<p><b>English Language Arts ELD – Grades 6-8</b> This course aligns with grade-level New Mexico Common Core State Standards (NMCCSS) for English Language Arts (ELA) and the current state-adopted English Language Development (ELD) Standards. This course is intended for English learners (ELs) whose English language proficiency level is nearing proficiency, as measured by the department-approved annual English language proficiency assessment. This course integrates grade-level ELA content (provides instruction in language arts skills with an emphasis on grammar, writing, and editing) with ELD using appropriate language supports based on the English language proficiency level of ELs. Teachers are required to have secondary licensure and be endorsed in ELA. In addition, teachers must have received specialized training in serving the needs of ELs (as required of districts in order to meet their obligations under civil rights law and other federal requirements). Course 1063 may be substituted for 1000 to receive middle school credit, where applicable, if 1063 meets all course requirements for 1000. See course description for 1000 above for more information. This course may be repeated for credit. This course may also be used for ELs participating in a state-funded bilingual program. When 1063 is part of a state-funded bilingual program, the teacher must have a TESOL endorsement in addition to the ELA endorsement.</p>	6-8									
1064	<p><b>English Language Arts ELD I - Substituted for Graduation - Grade 9</b> This course aligns with grade-level New Mexico Common Core State Standards (NMCCSS) for English Language Arts (ELA) and the current state-adopted English Language Development (ELD) Standards. This course is intended for English learners (ELs) whose English language proficiency level is nearing proficiency, as measured by the department-approved annual English language proficiency assessment. This course integrates grade-level ELA content (provides instruction in language arts skills with an emphasis on grammar, writing, and editing) with ELD using appropriate language supports based on the English language proficiency level of ELs. Teachers are required to have secondary licensure and be endorsed in ELA. In addition, teachers must have received specialized training in serving the needs of ELs (as required of districts in order to meet their obligations under civil rights law and other federal requirements). <b>Course 1064 may be substituted for 1001 to receive high school graduation credit, where applicable, if 1064 meets all course requirements for 1001. See course description for 1001 above for more information. This course may be repeated for credit. This course may also be used for ELs participating in a state-funded bilingual program. When 1064 is part of a state-funded bilingual program, the teacher must have a TESOL endorsement in addition to the ELA endorsement.</b></p>	9	NEW								
1065	<p><b>English Language Arts ELD II - Substituted for Graduation – Grade 10</b> This course aligns with grade-level New Mexico Common Core State Standards (NMCCSS) for English Language Arts (ELA) and the current state-adopted English Language Development (ELD) Standards. This course is intended for English learners (ELs) whose English language proficiency level is nearing proficiency, as measured by the department-approved annual English language proficiency assessment. This course integrates grade-level ELA content (provides instruction in language arts skills with an emphasis on grammar, writing, and editing) with ELD using appropriate language supports based on the English language proficiency level of ELs. Teachers are required to have secondary licensure and be endorsed in ELA. In addition, teachers must have received specialized training in serving the needs of ELs (as required of districts in order to meet their obligations under civil rights law and other federal requirements). Course 1065 may be substituted for 1002 to receive high school graduation credit, where applicable, if 1065 meets all course requirements for 1002. See course description for 1002 above for more information. This course may be repeated for credit. This course may also be used for ELs participating in a state-funded bilingual program. When 1065 is part of a state-funded bilingual program, the teacher must have a TESOL endorsement in addition to the ELA endorsement.</p>	10	NEW								







1083	<p><b>Forensics - Debate – Elective - Grades 9 - 12</b> - Course offers students the opportunity to learn how to employ oral skills in formal and informal situations. Logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body are developed through forensics courses. Often linked to an extracurricular program, students learn the methods, aims, and styles of the debating events (formal debate or Lincoln Douglas). Participation in competition is encouraged, but not always required.</p>	9-12								
1084	<p><b>Forensics - Individual Event – Elective - Grades 9 - 12</b> - Course offers students the opportunity to learn how to employ oral skills in formal and informal situations. Topics depend upon the event(s) being taught, but effective presentation of one's voice and body, thoughtful understanding and interpretation of literature, logic and reasoning, and the organization of thought and supporting materials may be emphasized and developed. Often linked to an extracurricular program, one or several individual event categories are introduced (e.g., exposition, oral interpretation, dramatic interpretation, radio broadcast). Participation in competition is encouraged, but not always required.</p>	9-12								
1093	<p><b>English Aide – Elective - Grades 11 - 12</b> - Course offers interested students the opportunity to assist English and communication teachers in the preparation, organization, and distribution of instructional materials. Students may provide tutorial assistance to students under teacher guidance</p>	11-12								
1096	<p><b>English Language and Literature Independent Study – Elective - Grades 11 - 12</b> - Course is often conducted with instructors as mentors, allowing students the opportunity to explore particular topics within the field of language arts that are not offered as part of the regular curriculum. These courses may be offered in conjunction with other subject area courses or as an opportunity for students to explore a particular topic of special interest.</p>	11-12								

[illegible]



1109	Dance - Recommended for Students Grades K - 12 - Other	K-12									
1110	Elementary Theater - Recommended for Students Grades K - 8 - Course is sequential from lower grades through upper grades K-8. Course promotes student's experiences and skill development in a variety of aspects of techniques, traditions, performances, projection, and production. Students learn to critique their work and the work of others.	K-8									
1111	Introduction to the Theater - Recommended for Students Grades 9 - 12 - Course provides an overview of the art, conventions, and history of the theater. Although experiential exercises may be included, the courses focus on learning about the theater rather than performance. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature or major playwrights, the formation of theater as a cultural tradition, and critical appreciation of the art. Other aspects of theatrical production such as technical aspects, costume, makeup, and so on, may also be explored.	9-12				Arts, Audio-Video Technology and Communications					
1112	Drama/Stagecraft - Recommended for Students Grades 9 - 12 - Course is intended to promote students' experience and skill development in one or more aspects of theatrical production. Initial courses are usually introductory in nature, while the more advanced courses concentrate on improving technique, expanding the students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. Career opportunities in the theater may be discussed.	9-12				Arts, Audio-Video Technology and Communications					

1113	<p><b>Drama-Acting/Performance - Recommended for Students Grades 9 - 12</b> - Course is intended to promote students' experience and skill development in one or more aspects of theatrical production, but concentrate on acting and performance skills. Initial courses are usually introductory in nature, while the more advanced courses concentrate on improving technique, expanding the students' exposure to different types of theatrical techniques and traditions, and increasing their chances of participating in public productions. Career opportunities in the theater may be discussed.</p>	9-12			Arts, Audio-Video Technology and Communications						
1114	<p><b>Elementary Theatre Program - Recommended for Students Grades K - 8</b> - Course is sequential from lower grades through upper, i.e., K-8. Course promotes student's experiences and skill development in a variety of aspects of techniques, traditions, performances, projection, and production. Students learn to critique their work and the work of others.</p>	K-8									
1115	<p><b>Directing - Recommended for Students Grades 9 - 12</b> - Course is usually taken after several other drama courses. Directing courses are intended to improve students' skills in translating a script to a final production. Directing classes enable students to create an artistic vision and develop a personal aesthetic, by expanding the students' exposure to different types of theatrical techniques and traditions, and providing opportunities to direct others' performances (either in scenes or in a full production).</p>	9-12			Arts, Audio-Video Technology and Communications						
1116	<p><b>Playwriting - Recommended for Students Grades 9 - 12</b> - Course is usually taken after several other drama courses. Playwriting courses are intended to improve students' skills in creating a script suitable for live production. Playwriting classes enable students to develop a personal voice, style, and aesthetic by expanding their exposure to various playwrights and different types of theatrical techniques and traditions. Students are expected to write original scenes, one act plays, or full productions.</p>	9-12			Arts, Audio-Video Technology and Communications						











1133	<p><b>Intermediate Guitar - Recommended for Students Grades 9 - 12</b> - Course builds upon skills of beginning guitar. Students will develop position playing, advanced chords and progressions, learn new scales, and develop improvisation skills. Students will also develop group and performance skills and will perform in public.</p>	9-12									
1141	<p><b>Music Theory - Recommended for Students Grades K - 12</b> - Course teaches an understanding of the fundamentals of music, and includes one or more of the following topics: composition, arrangement, analysis, aural development, and sight-reading; Music Theory courses may or may not require previous musical experience.</p>	K-12									
1142	<p><b>AP Music Theory - Recommended for Students Grades 9 - 12</b> - Course is designed to be the equivalent of a first year music theory college course. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students already possessing performance level skills, AP Music Theory extends and builds upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and their interaction in a composition. Musical notation, analysis, composition, and aural skills are important components of the course. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	9-12		AP							
1143	<p><b>IB Music - Recommended for Students Grades 9 - 12</b> - Course prepares students to take the International Baccalaureate Music exam at either the Subsidiary or Higher level. IB Music courses develop students' knowledge and understanding of music, through training in musical skills (listening, performing, and composing), exposure to music theory, and formulation of an historic and global awareness of musical forms and styles. The IB Curriculum Board suggests historical, theoretical, and practical studies.</p>	9-12		IB							



1150	<p><b>Introduction to Art - Recommended for Students Grades K - 12</b> - Course introduces students to a variety of tools, materials, skills and techniques through the elements and principals of design. Students learn to critique their work and the work of others.</p>	K-12									
1151	<p><b>Art Appreciation - Recommended for Students Grades K - 12</b> - Course introduces the many forms of art and help form an aesthetic framework through which art of various ages and cultures can be judged and critiqued. The place and significance of art in our society is explored.</p>	K-12									
1152	<p><b>Art History - Recommended for Students Grades 9 - 12</b> - Course introduces significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. The evolution of art forms, techniques, symbols, and themes is often emphasized.</p>	9-12									
1153	<p><b>AP Art History - Recommended for Students Grades 9 - 12</b> - Course designed to parallel college level Art History courses, AP Art-History of Art courses provide the opportunity to critically examine architecture, sculpture, painting, and other art forms within their historical and cultural contexts. In covering the art of several centuries (not necessarily in chronological order), students learn to identify different styles, techniques, and influences, and to formulate and articulate their reactions to various kinds of artwork. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	9-12		AP							

1154	<b>Drawing 1 Grades 9 - 12</b> - Basic drawing concepts and skills to assist the student in acquiring a graphic vocabulary in a variety of drawing media.	9-12			Arts, Audio-Video Technology and Communications						
1155	<b>Drawing 2 Grades 9 - 12</b> - A continuous of Drawing 1 which will further concentration on basic drawing concepts with a greater emphasis on descriptive and perceptual drawing skills using both dry and wet media. Assigned problems explore aspects of still life, landscape, portraiture.	9-12			Arts, Audio-Video Technology and Communications						
1156	<b>Painting 1 Grades 9 - 12</b> - This course is an introduction to painting materials, techniques, color, and fundamental composition. A brief history of painting will be acquired through lectures.	9-12			Arts, Audio-Video Technology and Communications						
1157	<b>Painting 2 Grades 9 - 12</b> - Continued exploration of the painting concepts and techniques presented in Painting 1. Working from imagination as well as observation, emphasizing the expressive potential of the medium.	9-12			Arts, Audio-Video Technology and Communications						



1163	<b>Creative Art-Sculpture - Recommended for Students Grades 9 - 12</b> - Course covers the same topics as Creative Art-Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on) but some courses may focus on only one.	9-12									
1164	<b>Ceramics/Pottery - Recommended for Students Grades 9 - 12</b> - Course covers the same topics as Creative Art-Comprehensive courses, but focus on creating three-dimensional works out of clay and ceramic material. Particular attention is paid to the characteristics of the raw materials, the transformation under heat, and the various methods by which objects are created and finished.	9-12									
1165	<b>Printmaking/Graphics - Recommended for Students Grades 6 - 12</b> - Course covers the same topics as Creative Art-Comprehensive courses, but focus on design principles, printmaking, and graphic design.	6-12				Marketing Sales and Service	Arts Audio-Video Technology and Communications				
1166	<b>Textiles - Recommended for Students Grades 6 - 12</b> - Course teaches the same lessons as Creative Art-Comprehensive courses but do so with a focus on craft. A wide range of crafts may be surveyed, or the course may focus on only one type; possibilities include weaving, macramé, quilting, batik, and stitchery.	6-12				Arts, Audio-Video Technology and Communications	Manufacturing				

1167	<p><b>Crafts - Recommended for Students Grades K - 12</b> - Course teaches the same lessons as Creative Art-Comprehensive courses, but do so with a focus on craft. A wide range of crafts may be surveyed, or the course may focus on only one type; possibilities include calligraphy, quilting, silk screening, cake decorating, craft painting, mask making, knitting, crocheting, and paper making.</p>	K-12			Arts, Audio-Video Technology and Communications						
1168	<p><b>Print Making 2 Grades 9 - 12</b> - A continuation of Print Making/Graphics 1165, with emphasis on advanced methods of intaglio and relief processes in color, and introduction to black and white stone lithography, including color.</p>	9-12			Arts, Audio-Video Technology and Communications						
1171	<p><b>Photography - Recommended for Students Grades K - 12</b> - Course exposes students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, and depth of field, filters, camera angles, and film development. The course may cover black and white, or color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. In order to develop each student's style and artistic eye, major photographers, art movements, and styles may also be studied.</p>	K-12			Arts, Audio-Video Technology and Communications						
1172	<p><b>Film and Digital Media - Recommended for Students Grades 9 - 12</b> - Course exposes students to the materials, processes, and artistic techniques involved in film or videotape. Students learn about the operation of a camera, lighting techniques, camera angles, depth of field, composition, storyboarding, sound capture, and editing techniques. Course topics may also include production values and various styles of filmmaking (documentary, storytelling, news magazines, animation, and so on). As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. In order to develop each student's style and artistic eye, major filmmakers, cinematographers, and their films may also be studied.</p>	9-12	Description		Arts, Audio-Video Technology and Communications						



1173	<p><b>Photography II Grades 9 - 12</b> - In this course, students refine and master technical skills as well as experiment with alternative approaches and materials as they compose unique photographs. Additionally, students will develop a photographic portfolio that demonstrates quality, shows breadth of formal, technical, and expressive experiences and concentrates on a specific theme or problem. Through collaboration with peers and instructors students will develop a personal aesthetic viewpoint. In-class and independent problems further the development of skills and techniques.</p>	9-12	Description		Arts, Audio-Video Technology and Communications						
1175	<p><b>Computer Assisted Art - Recommended for Students Grades K - 12</b> - Course enables students to discover and explore how the computer can be used to create or to assist in the production of various forms of artwork. Previous courses in the intended art form are usually not required for enrollment. Computer Assisted Art courses provide the opportunity to become more adept in both the art form and in the use of the computer.</p>	K-12			Arts, Audio-Video Technology and Communications	Marketing Sales and Service	Information Technology				
1176	<p><b>Film &amp; Digital Media II – Grades 10-12</b> – Digital Film Production II focuses on the mastery of intermediate knowledge, skills and concepts related to film production. The student develops advanced techniques and applies them to individual, collaborative and community-based projects. The student continues to investigate and analyze current trends in filmmaking, including career opportunities, contemporary technical and aesthetic considerations. The student analyzes and applies best practices to film production projects, and evaluates their effectiveness in field productions.</p>	10-12	Description		Arts, Audio-Video Technology and Communications	Information Technology	Marketing Sales and Service				
1177	<p><b>Film &amp; Digital Media III – Grades 11-12</b> – Digital Film Production III offers the student an opportunity to further study film making principles and techniques with emphasis on mastery of aesthetic and technical skills and concepts. The student refines advanced techniques through work on individual, collaborative and community-based projects. The student integrates current trends in filmmaking, including career opportunities, and contemporary technical and aesthetic considerations into his/her work. The student develops and determines best practices for film production projects, and evaluates their effectiveness in field productions. Literacy is integrated throughout the course.</p>	11-12	Description		Arts, Audio-Video Technology and Communications	Information Technology	Marketing Sales and Service				

1178	<p><b>Film &amp; Digital Media IV – Grade 12</b> –Offers the student the opportunity to demonstrate mastery of film production skills and concepts with an emphasis on professional portfolio development. The student produces work that reflects an individual style and sensitivity to professional conventions. Student will demonstrate leadership in the creation of individual collaborative and community-based projects and use these opportunities to identify career and educational choices. The student will demonstrate best practices for field productions and model awareness of contemporary technical and aesthetic considerations. Literacy is integrated throughout the course.</p>	12			Arts, Audio-Video Technology and Communications	Information Technology	Marketing Sales and Service				
1180	<p><b>Intro to Media Arts Grades 9 - 12</b> - Media Arts is an introductory course where you will explore the nature of art, the elements of art, principals of design and art trends though the use of traditional black and white as well as digital photography. You will learn the basic techniques and skills needed to use photographic, digital, and computer equipment. This class takes a more contemporary approach to the visual arts.</p>	9-12			Arts, Audio-Video Technology and Communications						
1181	<p><b>Art Portfolio - Recommended for Students Grades 9 - 12</b> - Intended for students who are gifted in art; Art Portfolio courses offer the opportunity to create a professional body of work that reflects personal style and talent. Students are often encouraged to display their work publicly.</p>	9-12									
1183	<p><b>AP Studio Art-Drawing Portfolio - Recommended for Students Grades 9 - 12</b> - Designed for students with a serious interest in art, AP Studio Art-Drawing Portfolio courses enable students to refine their skill and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the course typically emphasizes quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of drawing. Representation, abstraction, and experimentation with a variety of drawing materials are explored. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	9-12		AP							





1202	<p><b>AP Spanish Language - Recommended for Students Grades 7 - 12</b> - Course is designed to parallel third year college level courses in this category build upon prior knowledge and develop students' ability to understand others and express themselves (in Spanish) accurately, coherently, and fluently in both formal and informal situations. Upon completing these courses, students will develop a large enough vocabulary to understand literary texts, magazine/ newspaper articles, films and television productions, and so on. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines. If this course/class is part of a vertically aligned sequence of eligible courses, it may be considered to be part of a state-funded bilingual program.</p>	7-12	AP								
1203	<p><b>AP Spanish Literature - Recommended for Students Grades 7 - 12</b> - Course is designed to parallel college level Introduction to Hispanic Literature courses (offered at a third year level); AP Spanish Literature courses cover representative works from the literatures of Spain and Spanish America, encompassing all genres. The courses build students' Spanish language proficiency so that they are able to read and understand moderately difficult prose and to express critical opinions and literary analyses in oral and written Spanish (an ability equivalent to having completed a third year college level Spanish Language course). This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines. If this course/class is part of a vertically aligned sequence of eligible courses, it may be considered to be part of a state-funded bilingual program.</p>	7-12	AP								
1204	<p><b>AP Chinese Language - Recommended for Students Grades 7 - 12</b> - AP Chinese Language and Culture –Course in Mandarin and/or Cantonese is designed to emphasize communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentation skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. This course is intended to prepare students for the optional Advanced Placement Exam and should follow the published College Board guidelines.</p>	7-12	AP								
1205	<p><b>AP Japanese Language - Recommended for Students Grades 7 - 12</b> - AP Japanese (Nihongo) Language and Culture –Course is designed to emphasize communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentation skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. Students' proficiency levels at the end of the course are expected to reach at least the Intermediate Low to Intermediate Mid-range. This course is intended to prepare students for the optional Advanced Placement Exam and should follow the published College Board guidelines</p>	7-12	AP								



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[illegible]





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1258	<p><b>German III - Recommended for Students Grades 7 - 12</b> - Course continues the development of communicative skills, enhances reading skills and appreciation of supplementary materials in literature, history, geography and fine arts. The students begin to manipulate the language through creative and expository writing. Emphasis is placed on cultural issues and the use of German in the classroom.</p>	7-12									
1259	<p><b>German IV - Recommended for Students Grades 7 - 12</b> - Course promotes oral communication in German and emphasizes the study of different genres in German literature. It focuses on literary analysis and criticism by means of extensive reading of classical and modern masterpieces in German.</p>	7-12									
1261	<p><b>IB Language A (non-English) - Recommended for Students Grades 7 - 12</b> - Course prepares students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in depth study of literature chosen from the appropriate IB list of texts and authors, and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students' accuracy and fluency in the language.</p>	7-12		IB							
1262	<p><b>IB Language B - Recommended for Students Grades 7 - 12</b> - Course prepares students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. Courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher-level exam will be able to communicate fluently at native speed.</p>	7-12		IB							

1263	<p><b>IB Classical Languages - Recommended for Students Grades 7 - 12</b> - Course seeks to strike a balance between the study of the language itself (structure, meaning, and formulation) and the study of the civilization it reflects (particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a Latin, Greek, or other classical text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects.</p>	7-12		IB							
1264	<p><b>Japanese I - Recommended for Students Grades 7 - 12</b> - Course introduces students to the basic skills - speaking, listening, reading, and writing - and to the basic structures of Japanese taught within a cultural context. Emphasis will be placed on oral communication skills in the context of greetings, school activities, counting, and sports. Writing the Japanese language is also introduced.</p>	7-12									
1265	<p><b>Japanese II-IV - Recommended for Students Grades 7 - 12</b> - Course provides an extension of skills and concepts introduced in Japanese I. There is wider use of the Japanese language through increased conversational skills and larger vocabulary. Writing skills are extended, and increased understanding of Japanese culture is emphasized.</p>	7-12									
1269	<p><b>AP Latin: Vergil - Recommended for Students Grades 7 - 12</b> - Is designed to be approximately equivalent to an upper-intermediate (typically fourth or fifth semester) college or university Latin course. The course focuses on the in-depth study of selections from two works in Latin literature: Vergil's Aeneid and Caesar's Gallic War. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	7-12		AP							

[illegible]

1275	<p><b>Elementary Spanish Language Arts - Recommended for Students Grades K-6</b> This course code is specifically for use at the elementary level for pull-out or self-contained instruction. This course provides instruction and development for elementary students in Spanish language arts, with an emphasis on communication and literacy skills (Speaking, Reading, Writing, Listening and Comprehension). This course must address the Common Core State Standards (Common Core en Español) for Spanish Language Arts. All levels place an emphasis on reading, writing, and interpretation of text. This course must be taught in Spanish. (i.e. home/heritage language). As per Bilingual Multicultural Education regulation and statute, extensive study of the cultures and traditions related to the home/heritage language at the regional, national and international levels must be included. This course/class WILL be considered as part of a funded bilingual program.</p>	K-6	New								
1276	<p><b>Spanish Language Arts Middle School - Grades 6-8</b> This course code is specifically for use at the middle school level. This course provides instruction and development for students in Spanish language arts, with an emphasis on communication and literacy skills (Speaking, Reading, Writing, Listening and Comprehension). This course must address the Common Core State Standards (Common Core en Español) for Spanish Language Arts. The course provides instruction in language arts skills with an emphasis on grammar, writing, and editing. This course must be taught in Spanish. (i.e. home/heritage language). As per Bilingual Multicultural Education regulation and statute, extensive study of the cultures and traditions related to the home/heritage language at the regional, national and international levels must be included. This course/class WILL be considered as part of a funded bilingual program.</p>	6-8	New								
1277	<p><b>Spanish Language Arts I - Grades 9</b> This course provides instruction and development for students in Spanish language arts, with an emphasis on communication and literacy skills (Speaking, Reading, Writing, Listening and Comprehension). This course must address the Common Core State Standards (Common Core en Español) for Spanish Language Arts. The course builds upon the students' prior knowledge of grammar, vocabulary, word usage, and mechanics of writing, and usually includes the four aspects of language use: reading, writing, speaking, and listening. Usually, the various genres of literature are introduced and defined, with writing exercises often linked to reading selections. This course must be taught in Spanish. (i.e. home/heritage language). As per Bilingual Multicultural Education regulation and statute, extensive study of the cultures and traditions related to the home/heritage language at the regional, national and international levels must be included. This course/class WILL be considered as part of a funded bilingual program.</p>	9	New								
1278	<p><b>Spanish Language Arts II - Grades 10</b> This course provides instruction and development for students in Spanish language arts, with an emphasis on communication and literacy skills (Speaking, Reading, Writing, Listening and Comprehension). This course must address the Common Core State Standards (Common Core en Español) for Spanish Language Arts. The course offers a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi paragraph thematic essays and compositions. The study of literature encompasses various genres as students improve their reading rate and comprehension and develop the skills to determine authors' intent and theme and to recognize the techniques employed by the author to achieve the goal. This course must be taught in Spanish. (i.e. home/heritage language). As per Bilingual Multicultural Education regulation and statute, extensive study of the cultures and traditions related to the home/heritage language at the regional, national and international levels must be included. This course/class WILL be considered as part of a funded bilingual program.</p>	10	New								



1283	<p><b>Braille – Grades 9-12-</b> This course provides instruction to students to tactually read and write Braille as a nonvisual medium with an emphasis on the study of Literary Braille as needed to read academic and functional material which includes the study of tactual discrimination, physical reading techniques, Braille code contractions, convections, rules of usage and Braille formats. The course may also include the study of Braille code for writing math and science information such as equations, formulas, and symbols, as needed by the student to progress within math and science courses.</p>	9-12									
1284	<p><b>Foreign Language I</b> - Course introduces students to the basic skills - listening, speaking, reading, and writing - and to the basic structures of foreign language taught within the cultural context. Emphasis will be placed on oral communication skills. A career awareness component is included which emphasizes the importance of the foreign language has in the world. The language of the class will be reported in Course Instructor Snapshot in field 20 - PRIMARY INSTRUCTION LANGUAGE CODE.</p>	7-12	NEW								
1285	<p><b>Foreign Language II</b> - Course continues to develop communicative skills. There is wider use of German not only in classroom management, but also in teaching concepts. Emphasis is on sustained communication, both oral and written. An appreciation of culture of German speaking countries is enhanced. The language of the class will be reported in Course Instructor Snapshot in field 20 - PRIMARY INSTRUCTION LANGUAGE CODE.</p>	7-12	NEW								
1286	<p><b>Foreign Language III</b> - Course continues the development of communicative skills, enhances reading skills and appreciation of supplementary materials in literature, history, geography and fine arts. The students begin to manipulate the language through creative and expository writing. The language of the class will be reported in Course Instructor Snapshot in field 20 - PRIMARY INSTRUCTION LANGUAGE CODE.</p>	7-12	NEW								



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1300	<p><b>Communication Exploration</b> - Course surveys an array of topics employing graphic and technical communication, exposing students to various methods of communication such as drafting, photography, graphic arts/printing, commercial art, telecommunications, and electronic and computer aided communication. These courses may serve as a basic introduction to the methods, tools, and techniques of these areas.</p>	9-12									
1301	<p><b>Graphic Communication Exploration</b> - Course surveys a range of topics using graphic communication, exposing students to many types of printing, design, and advertising career opportunities in various industries. Techniques of various communications fields are presented, including printing, drafting, and commercial art. These courses may serve as a basic introduction to graphic communication tools and techniques.</p>	9-12			Information Technology	Marketing Sales and Service	Arts Audio-Video Technology and Communications				
1302	<p><b>Principles of Telecommunications 9 - 12</b> - This course provides an introduction to the development and impact of telecommunications and the operational and technical aspects of network and telecommunications systems. It allows students to explore the various types and uses of networks and on-line services and to develop skills in accessing, navigating, and applying on-line services.</p>	9-12			Information Technology						
1303	<p><b>Advanced Analog and Digital Logic and Circuits 9 - 12</b> - An interactive and practical introduction to fundamental concepts of electrical and computer engineering by implementing electronic systems, which can be digitally controlled and interrogated, with a programmable microcontroller with the ability to program the electrical connections between analog and digital components.</p>	9-12			Information Technology						

1311	<b>Printing Careers Exploration</b> - Course exposes students to the methods and tools of the industries using graphic arts and printing techniques. Opportunities and careers in the printing, newspaper, publishing and allied industries are explored as various topics related to the printing process are covered.	9-12			Information Technology	Arts Audio-Video Technology and Communications					
1313	<b>Graphic Arts/Printing</b> - Course exposes students to the various tools and techniques used in the printing industry. Topics typically include (but are not limited to) design, layout, paste up, process photography, stripping, plate making, lithography, offset press operation, and bindery. Graphics Arts/Printing courses may also include other components, such as lettering, computer graphics, or desktop publishing.	9-12			Information Technology	Arts Audio-Video Technology and Communications	Marketing Sales and Service				
1323	<b>Commercial Art</b> - Course provides students with the opportunity to explore the use of art and design in specific industries and in business as a whole. Topics, skills, and techniques covered and refined include (but are not limited to) drawing with various media, reproduction, lettering and typography, layout and paste up, perspective drawing, illustration, and design principles. A wide range of applications may be used, including books, brochures, packages, and school publications. The courses may also include photography, silkscreen, and airbrush techniques.	9-12			Information Technology	Arts Audio-Video Technology and Communications	Marketing Sales and Service				
1333	<b>Commercial Photography</b> - Course provides students with the opportunity to explore the application of photography in commercial enterprises and industry. Topics may include (but are not limited to) photographic techniques, composition, printmaking, and finishing.	9-12			Information Technology	Arts Audio-Video Technology and Communications	Marketing Sales and Service				

1395	<b>Graphic and Printing Communication</b> - Related Subjects - Course offers instruction in related topics that are necessary or helpful in graphic communication, commercial arts or printing occupations; such topics may include mathematics, science, drafting, design, and so on.	9-12			Information Technology	Arts Audio-Video Technology and Communications					
1397	<b>Graphic and Printing Communication</b> - OJT - Course provides work experience within the graphic communication, commercial arts or printing fields. Although the student, teacher, and employer may set goals cooperatively, classroom attendance/experience is not an integral part of the Graphic Communication-OJT experience.	9-12			Information Technology	Arts Audio-Video Technology and Communications					
1398	<b>Graphic Communication-Co-Op</b> - Course provides work experience in the graphic communication, commercial arts or printing fields, and are supported by classroom attendance and discussion. Goals are set for the employment period; classroom experience may involve further study in the field, improvement of employability skills, or discussion regarding the experiences and problems encountered on the job.	9-12			Information Technology	Arts Audio-Video Technology and Communications					
1399	<b>Graphic and Printing Communication</b> – Other. Typically used with advanced dual credit topics.	9-12			Arts, Audio-Video Technology and Communications						

1401	<p><b>Health Education - Recommended for Students Grades 9 - 12</b> - Course that provides knowledge and skills practice in a variety of health topics including the six CDC health risk behaviors, and must be aligned with the 9-12 PED Health Education content standards with benchmarks and performance standards. This course will meet the graduation requirement for Health Education.</p>	9-12									
1402	<p><b>Health and Fitness - Recommended for Students Grades 6 - 12</b> - Course combines the topics of Health Education courses (nutrition, stress management, abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of life long wellness habits.</p>	6-12									
1403	<p><b>Community Health - Recommended for Students Grades 6 - 12</b> - Course covers not only personal health topics (nutrition, stress management, abuse prevention, disease prevention, first aid, and so on), but also more general health issues. These additional topics may include (among others) available community resources, fundamentals of the nation's health care system, contemporary world health issues, and career options within the health field.</p>	6-12									
1404	<p><b>Special Needs Health Education - Recommended for Students Grades 6 - 12</b> - Course focuses on the health requirements of individuals with special needs, and emphasize meeting those needs within the home setting. Information regarding the elderly and individuals with disabilities, handicaps, and/or debilitating illnesses is provided, along with strategies to prepare students for their possible roles as caretakers.</p>	6-12				Health Science	Human Services	Government and Public Administration	Education and Training		

1405	<b>Safety and First Aid - Recommended for Students Grades 6 - 12</b> - Course provides specialized instruction in first aid techniques, cardiopulmonary resuscitation, relief of obstructed airways, and general safety procedures and behaviors. Course topics may include an overview of community agencies and hotlines providing emergency care and information.	6-12			Health Science	Hospitality and Tourism					
1406	<b>Health for Parenting Teens - Recommended for Students Grades 6 - 12</b> - Course designed for pregnant teens and/or parents, topics within Health for Parenting Teens courses cover a wide range of both health and parenting issues. Prenatal and postnatal care, health and wellbeing of young parents, child development, stress management, and parental/adult roles are typically included. The courses may also include academic assistance, career exploration, financial management, and so on.	6-12			Human Services						
1407	<b>Health and Life Management - Recommended for Students Grades 6 - 12</b> - Course focuses as much on consumer education topics (such as money management and evaluation of consumer information and advertising) as on personal health topics (such as nutrition, stress management, drug/alcohol abuse prevention, disease prevention, and first aid). In addition, development of decision making, communication, interpersonal and coping skills and strategies are included as course objectives.	6-12			Human Services	Health Science	Education and Training				
1420	<b>GRADS: - Recommended for Students Grades 6 - 12</b> - Course of a specialized curriculum designed for students who are parents or parents-to-be. Students are involved in topics such as balancing work and family, healthy interactions with their child and career development and advancement. (MUST BE A GRADS RECOGNIZED SITE IN ORDER TO COUNT STUDENTS IN THIS COURSE).	6-12		GRADS							

1499	Health Education - Recommended for Students Grades 6 - 12 - Other. Typically used with advanced dual credit topics.	6-12			Human Services	Health Science	Education and Training				
1501	Health Care Occupations Career Exploration - Recommended for Students Grades 7 - 12 - Course designed for students with an interest in medicine or the allied health fields. Health Care Occupations Career Exploration courses expose students to the opportunities available in a variety of occupational clusters within the health care industry (such as dental care, general and administrative services, lab technology, nursing, therapy, and vision care). Experiences in several of these occupational clusters may be provided, along with information and knowledge related to the health care industry as a whole.	7-12			Human Services	Health Science					
1502	Health Care Occupations - Recommended for Students Grades 9 - 12 - Course usually offered as a series to provide orientation to, and refinement of, the knowledge and skills germane to the health care industry. Topics usually include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities. Clinical experiences in local health care settings are integral to the courses.	9-12			Human Services	Health Science					
1503	Allied Health Occupations - Recommended for Students Grades 11 - 12 - Course covering the same scope of topics as Health Care Occupations course, also, enables students to choose one or several specialties to study in more detail. Course content depends upon the chosen field (such as physical or respiratory therapy, gerontology, medical laboratory technology, medical assisting, and dental assisting, and so on).	11-12			Human Services	Health Science					



1504	<p><b>Nursing-CNA - Recommended for Students Grades 9 - 12</b> - Course covering the same scope of topics as Health Care Occupations courses, the Nursing course places a special emphasis on the particular competencies required of nurses and/or nursing assistants and aides. Topics may include normal growth and development; bathing, feeding, dressing, and transporting patients; basic pharmacology; doctor, nurse, patient relationships and roles; medical and professional ethics; death and dying; and care of various kinds of patients (chronically ill, medical-surgical, children, new mothers, and so on).</p>	9-12			Human Services	Health Science					
1505	<p><b>Nursing-LPN - Recommended for Students Grades 9 - 12</b> - Course covering the same scope of topics as Nursing. Nursing-LPN courses delves into more detail, in order to prepare students to stand for the state's practical nurse licensing examination. Nursing-LPN courses provide the knowledge and experience needed for nursing care of patients of all ages, in various stages of sickness or health, and with a variety of disease conditions. Additional topics may include community health, nutrition, drug therapy and administration, and mental illness.</p>	9-12			Human Services	Health Science					
1506	<p><b>Home Health Care - Recommended for Students Grades 10 - 12</b> - Course provides instruction in the care of individuals within their homes. Course content relates health care practices and procedures to the home environment, and typically includes patient care, comfort, and safety; anatomy and physiology; disease and infection prevention; nutrition and meal preparation; human relations; first aid and CPR. Topics may also include therapy strategies, household management, and employability.</p>	10-12			Human Services	Health Science					
1507	<p><b>Nursing Science I – Grade 11</b>– Nursing Science I introduces students to the foundation and fundamentals of human systems, anatomy, equilibrium, physics, culture, history of disease, and cellular functions. The curriculum is related to the care of patients and the treatment of disease. Literacy strategies are integrated throughout the curriculum.</p>	11			Health Science						

1513	<p><b>Medical/Clerical Assisting - Recommended for Students Grades 11 - 12</b> - Course trains students in the skills that combine and relate to both the medical and clerical fields. Designed for students who are interested in clerical, secretarial, or medical assistant occupations within the health care industry, these courses develop skills in patient exam preparation, assessment of vital signs, routine lab procedures, medical transcription, medical insurance, financial accounting, and record keeping.</p>	11-12			Health Science						
1514	<p><b>Medical Office - Recommended for Students Grades 10 - 12</b> - Course exposes students to skills that combine and relate to both the medical and clerical fields. Designed for students who are interested in clerical/transcription/coding occupations within the health care industry (human and animal). Courses develop skills in patient exam preparation, evaluation and assessment of vital signs. Can include medical laboratory procedures, medical transcription/coding/billing, insurance, scheduling and patient recording in context to front office duties.</p>	10-12			Health Science						
1515	<p><b>Medical Lab Technician - Recommended for Students Grades 11 - 12</b> - Course provides students with the background and skills necessary for employment in health care-related laboratories. Topics usually include anatomy and physiology; microbiology; chemistry; and laboratory techniques (including preparation and analysis of various cultures and specimens). Venipuncture, EKG, and CPR procedures may be included as course components.</p>	11-12			Health Science						
1516	<p><b>EKG Technician - Recommended for Students Grades 10 - 12</b> - Course offers students the knowledge and skills to perform electrocardiograph activities within the health care field. EKG Technology courses emphasize the cardiovascular system (function, diseases, and rhythms); EKG machinery; and the use of drugs and their effects. However, these courses usually include general health care topics as well, such as basic anatomy and physiology; patient care; first aid and CPR; identification and use of medical equipment; medical terminology; and human relations.</p>	10-12			Health Science						

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1523	<p><b>Dental Assisting - Recommended for Students Grades 10 - 12</b> - Course exposes students to the tools, terminology, and procedures necessary for a career in the dental industry (usually as a dental assistant). Course content covers a wide range of topics and typically includes dental anatomy and terminology; identification and use of dental equipment; dental pathologies and procedures; asepsis; dental laboratory procedures; emergency first aid; and the ethical and legal responsibilities of dental care workers.</p>	10-12			Health Science						
1524	<p><b>Dental Laboratory Technician - Recommended for Students Grades 11 - 12</b> - Course exposes students to the tools, terminology, and procedures necessary for a career in a dental laboratory. Dental Laboratory Technology courses generally cover the same scope of topics as Dental Assisting courses, but emphasize experience in making mouth guards, taking impressions, creating various types of dental molds and models, and fabricating prostheses and dental appliances.</p>	11-12			Health Science						
1533	<p><b>Vision Care Assisting - Recommended for Students Grades 9 - 12</b> - Course exposes students to the tools, terminology, and procedures necessary for a career in the optometric or optic field. Vision Care Assisting courses typically include the physics of light and refraction; the anatomy, physiology, and terminology associated with the eyes; identification and use of optometric and/or optical equipment; optical procedures; human relations; and the ethical and legal responsibilities of vision care workers.</p>	9-12			Health Science						
1540	<p><b>Sports Medicine - Recommended for Students Grades 11 - 12</b> - This course is a study and analysis of injuries commonly associated with athletes. The course explores the roles of the athletic trainer, physician and coach as they relate to the physiological and psychological welfare of the athlete. The lab portion of the class is integrated.</p>	11-12			Health Science						

1550	<p><b>Medical Anatomy &amp; Physiology - Recommended for Students Grades 11 - 12</b> - Usually taken after Biology-First-Year courses, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.</p>	11-12			Health Science						
1551	<p><b>Intro to Biotechnology Research and Development 9 - 12</b> - Students will develop a strong foundation in molecular biology including genetics, microbiology, and cell biology. This course will introduce students to procedures and instruments used in biotechnology laboratories. Students will connect biological processes to medical diagnostics, forensic science, agricultural biology, genetics and genetic counseling, and bioethics. Safety protocols and maintenance of written records will be emphasized. Students will integrate molecular biology concepts with lab procedures, mathematics and technical writing.</p>	9-12			Health Science						
1560	<p><b>Advanced Career-Health Informatics Data and Use 9-12</b> -This foundational course focuses on the use of data and databases within the health field. Students explore the following questions using project-based and problem-based scenarios: What are data? What are the sources of data in the medical and health informatics fields? How can we use data? How do we make sense of data? How may we apply data to our own lives? Students interact with professionals in the health informatics field through interviews or on-site and/or virtual field trips.</p>	9-12	NEW	SREB	Health Science	Science, Technology, Engineering and Math					
1561	<p><b>Advanced Career-Health Informatics Transforming Data into Information 9-12</b> - In this course, students study ways to use data to address both patient and industry needs in the health-care field. Students use software such as Microsoft Access, Excel and Balsamiq to collect and analyze data, develop a health-care registry, create a mobile app mockup and develop forms and systems to solve health-care problems. The following questions are addressed through project or problem-based scenarios: How can technology and analysis create better information to inform better decisions? How can we use technology tools to create information from data? How can we use technology to improve public and individual health? How can we use technology to protect patient privacy?</p>	9-12	NEW	SREB	Health Science	Science, Technology, Engineering and Math					

1562	<p><b>Advanced Career-Health Informatics Transforming Info into Knowledge 9-12</b> - Th is advanced course allows students to make improvements in the health-care fi eld by designing solutions using the information, knowledge and technology tools available to health informatics professionals. Students are engaged in the following activities: building a system of sharing information among health-care facilities; using social media tools to reduce diseases in foreign countries; exploring voice recognition software; using a motion-based video gaming console for rehabilitation; and exploring clinical decision rules for improving patient care.</p>	9-12	NEW	SREB	Health Science	Science, Technology, Engineering and Math					
1563	<p><b>Advanced Career-Health Informatics Problems and Solutions 9-12</b> -In this advanced course, students study and design solutions to problems facing health-care systems. Students explore the following questions through project or problem-based scenarios: How can the health-care system work more efficiently and economically? How do we address health-care issues in rural locations? How can various community organizations work together to improve the health of the community? Students interact with professionals in the health informatics field through interviews or on-site and/or virtual field trips.</p>	9-12	NEW	SREB	Health Science	Science, Technology, Engineering and Math					
1595	<p><b>Health Care Sciences-Related Subjects. - Recommended for Students Grades 9 - 12</b> - Course in this category offers instruction in related topics that are necessary or helpful in health care occupations; such topics may include mathematics, science, and/or communications.</p>	9-12			Health Science						
1596	<p><b>Health Care Sciences-Independent Study - Recommended for Students Grades 9 - 12</b> - Course conducted with instructors as mentors; enable students to explore health related topics of interest in greater depth and detail. Independent Study courses may serve as an opportunity to expand expertise in a particular specialization, to explore a topic of special interest within a health related industry, or to develop more advanced skills.</p>	9-12			Health Science						

1597	Health Care Sciences-OJT - Recommended for Students Grades 12 - Course work experience within the health care industry. Although the student, teacher, and employer may set goals cooperatively, classroom attendance/experience is not an integral part of the Health Care Sciences-OJT experience.	12			Health Science						
1598	Health Care Sciences-Co-Op - Recommended for Students Grades 10 - 12 - Course provides work experience in the health care industry supported by classroom attendance and discussion. Goals are set for the employment period; classroom experience may involve further study in the field, improvement of employability skills, or discussion regarding the experiences and problems encountered on the job.	10-12			Health Science						
1599	Health Care Sciences-Other - Recommended for Students Grades 9 - 12 - Please contact Health Occupations Administrator before classifying a student in this category. Typically used with advanced dual credit topics.	9-12			Health Science						
1602	PLTW Gateway to Technology - Recommended for Students Grades 6 - 8 - Middle school course that introduces the basics of design and modeling, electronic theory, the science of technology, and automation and robotics. (This is the introductory course for <b>Project Lead the Way</b> .)	6-8		PLTW							

1603	<p><b>Career Exploration - Recommended for Students Grades 6 - 8</b> - Course helps students identify and evaluate personal goals, priorities, aptitudes, and interests in the pursuit of effective career decision-making. Career Exploration courses expose students to various sources of information on career and training options, and may also enable students to understand the implications of technological and economic changes on the labor market. These courses may also include the development of job search and employability skills.</p>	6-8									
1604	<p><b>Employability Skills - Recommended for Students Grades 9 - 12</b> - Like Career Exploration courses, Employability Skills courses also help students match their interests and aptitudes to career options. However, the focus of Employability Skills courses is placed on sources of employment information, job seeking, interview techniques, applications and resumes, and the skills needed to remain and advance within the workplace. Course content may also include consumer education and personal money management topics.</p>	9-12									
1606	<p><b>Work Experience - Recommended for Students Grades 11 - 12</b> - Course provides general work experience, and emphasizes career guidance, job search, application, and employability skills (including refining academic and job skills and developing positive work attitudes). Students are employed, but their employment is not necessarily related to a particular vocational program or course of study.</p>	11-12				All 16 Career Pathways					
1611	<p><b>General Technology Education - Recommended for Students Grades 9 - 12</b> - Course exposes students to the tools, machines, processes, and systems that may be encountered in manufacturing-related occupations and enable students to develop the manual skills to use these tools in a variety of applications. The courses also explore the technology used in manufacturing products, transporting goods and people, effective communication, and efficient energy conversion. Topics may include (but are not limited to) drawing and planning, electricity, graphic arts, woodwork, metalwork, plastics, and power technology. General safety and career exploration are also covered.</p>	9-12				Science, Technology, Engineering and Math	Education and Training				



1612	<p><b>Materials and Processes. - Recommended for Students Grades 9 - 12</b> - Similar to Technology Education courses in that they expose students to the tools, machines, and systems that may be encountered in manufacturing related occupations. Materials and Processes courses relate this exposure particularly to the analysis, testing, and processing of metals, plastics, woods, ceramics, and composite materials.</p>	9-12			Science, Technology, Engineering and Math	Architecture and Construction	Manufacturing				
1613	<p><b>Metal and Wood Technology - Recommended for Students Grades 9 - 12</b> - Course includes studying the properties of metals, woods, and composites, and using these materials to design and construct functional products. Metal and Wood Technology courses enable the student to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.</p>	9-12			Science, Technology, Engineering and Math	Architecture and Construction	Manufacturing				
1614	<p><b>Industrial Safety/First Aid - Recommended for Students Grades 9 - 12</b> - Course provides instruction in safe operating procedures related to various trades, as well as more general training in emergency first aid and CPR. Course topics may include the importance of standard operation procedures, agencies and regulations related to occupational safety and hazard prevention, and the dangers of particular materials.</p>	9-12			Architecture and Construction	Transportation Distribution & Logistics	Government and Public Administration	Manufacturing			
1615	<p><b>PLTW Introduction to Engineering Design - Recommended for Students Grades 9 - 12</b> Students deeply explore the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. (A "Project Lead the Way" course).</p>	9-12		PLTW	Science, Technology, Engineering and Math	Manufacturing	Information Technology	Architecture and Construction	Arts, Audio-Video Technology and Communications		

1616	<p><b>PLTW Digital Electronics - Recommended for Students Grades 10 - 12</b> - From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. (A <b>"Project Lead the Way"</b> course).</p>	10-12		PLTW	Science Technology Engineering and Math	Manufacturing	Information Technology	Architecture and Construction			
1617	<p><b>PLTW Principles of Engineering - Recommended for Students Grades 9 - 12</b> - Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. (A <b>"Project Lead the Way"</b> course).</p>	9-12		PLTW	Science, Technology, Engineering and Math	Manufacturing	Information Technology	Architecture and Construction			
1618	<p><b>PLTW Computer Integrated Manufacturing - Recommended for Students Grades 10 - 12</b> - Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system. (A <b>"Project Lead the Way"</b> course).</p>	10-12		PLTW	Science, Technology, Engineering and Math	Manufacturing	Information Technology	Architecture and Construction			
1619	<p><b>PLTW Civil Engineering and Architecture - Recommended for Students Grades 10 - 12</b> - Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software. (A <b>"Project Lead the Way"</b> course).</p>	10-12		PLTW	Science Technology Engineering and Math	Manufacturing	Information Technology	Architecture and Construction	Government and Public Administration		

1620	<p><b>PLTW Capstone Class - Engineering Design and Development - Recommended for Students Grade 11 - 12</b> – The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, and complete the EDD ready to take on any post-secondary program or career. (A “<b>Project Lead the Way</b>” course).</p>	11-12		PLTW	Science Technology Engineering and Math	Manufacturing	Information Technology	Architecture and Construction		
1621	<p><b>PLTW Aerospace Engineering - Recommended for Students Grades 10 - 12</b> - This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. (A “<b>Project Lead the Way</b>” course).</p>	10-12		PLTW	Science, Technology, Engineering and Math	Manufacturing	Information Technology	Transportation, Distribution and Logistics		
1623	<p><b>Production Systems - Recommended for Students Grades 9 - 12</b> - Course introduces students to the concepts of manufacturing technologies, from conception through production. Although courses vary, students typically analyze markets, design and develop prototypes, plan a marketing or sales strategy, manage a production plan, and manufacture useful products. The evolution and impact of technology on society's social, cultural, and economic systems and institutions is also explored.</p>	9-12			Manufacturing	Science Technology Engineering and Math	Architecture and Construction	Agriculture, Food and Natural Resources	Business Management and Administration	
1624	<p><b>Manufacturing Systems - Recommended for Students Grades 9 - 12</b> - Course introduces students in a general fashion to the manner in which materials are processed and transformed using various methods. Processing techniques covered may include casting, forming, separating, assembling, and finishing. The courses may also include an overview of management techniques in planning, organizing, and controlling various segments of the manufacturing process, including design, engineering, production, and marketing. Students may organize a “company” and create products for sale.</p>	9-12			Science, Technology, Engineering and Math	Business Management and Administration	Manufacturing	Architecture and Construction	Agriculture, Food and Natural Resources	

1625	<p><b>Technology Systems - Recommended for Students Grades 9 - 12</b> - Course enable students to explore the designs, resources, processes, management, products, and analyses as they relate to information physical and bio/chemical technologies. The development, practical application, and impact of technologies are emphasized, as is teamwork. This course may be offered in a shop setting, a computer-driven lab, a classroom, or combination of the three.</p>	9-12			Manufacturing	Science Technology Engineering and Math	Architecture and Construction	Information Technology	Business Management and Administration	Transportation Distribution & Logistics	
1626	<p><b>Emergent Technologies - Recommended for Students Grades 9 - 12</b> - Course exposes students to the new technologies that affect our technological society. A wide range of technologies may be covered, but examples include video production and editing, lasers, fiber optics, electronics, robotics, technical communications, bio/chemical technologies, and computer technologies (artificial intelligence, computer-aided design and/or machining, and so on). This course is often offered in a modular format.</p>	9-12			Transportation, Distribution and Logistics	Agriculture, Food and Natural Resources	Architecture and Construction	Information Technology	Science, Technology, Engineering and Math	Manufacturing	
1627	<p><b>Research and Development - Recommended for Students Grades 9 - 12</b> - Course provides students with the opportunity to focus on one or more areas of technology, creatively pursuing new knowledge or solving a technological problem, by designing and building prototypes and working models. Appropriate information is learned and applied in order to complete the research and development process.</p>	9-12			Business Management and Administration	Education and Training	Government and Public Administration	Manufacturing	Agriculture, Food and Natural Resources	Science Technology Engineering and Math	Health Science
1629	<p><b>Micro-electro-mechanical Systems (MEMS) - Recommended for Students Grades 9-12</b> - This course is a study of elements of MEMS design utilizing integrated Sandia National Laboratories MEMS software coupled with Auto CAD to form the basis of a fully integrated MEMS design environment. Emphasis will be placed on teaching the process involved in producing MEMS as well as the usage of tools within the AutoCAD environment to realize these design ideas. The class will be hands-on and facilitate laboratory equipment.</p>	9-12			Information Technology	Science Technology Engineering and Math	Health Science	Manufacturing	Architecture and Construction		

1633	<p><b>Appliance Repair - Recommended for Students Grades 9 - 12</b> - Course provides students with the knowledge and experience to repair, install, and service appliances such as stoves, refrigerators, washers, dryers, air conditioners, water heaters, and so on. Students gain an understanding of the mechanics and working systems of these appliances, the skills to read blueprints and specifications; and proficiency in using related tools and products.</p>	9-12			Architecture and Construction						
1634	<p><b>Equipment Maintenance and Repair - Recommended for Students Grades 9 - 12</b> - Course prepares students to adjust, maintain, replace and repair parts of machinery and to repair tools, equipment, and machines. The courses may have a general emphasis or may focus on a specific type of machinery or on equipment related to a particular industry. Depending upon the intent, course topics may include electric, hydraulic, or mechanic systems; control devices, valves, and gates; or supplemental equipment such as fans, hoses, and pipes.</p>	9-12			Transportation, Distribution and Logistics	Agriculture, Food and Natural Resources	Architecture and Construction				
1643	<p><b>Upholstery - Recommended for Students Grades 9 - 12</b> - Course exposes students to the tools, materials, and techniques used to fit and repair furniture with material coverings, padding, fillers, and springs. Course content includes selection of furniture and fabric; design and construction of upholstery projects; and finishing and trimming furniture.</p>	9-12			Architecture and Construction	Arts Audio-Video Technology and Communications					
1650	<p><b>Foundations in 21st Century Skills Grade 9 – 12</b> - Introductory course that introduces workforce skills based on the following modules of the Ford Partnership for Advance Studies curriculum: From Concept to Consumer: Building a Foundation in Problem-Solving, Media and Messages: Building a Foundation of Communication Skills, People at Work: Building a Foundation of Research Skills, Careers, Companies, and Communities.</p>	9-12			Business Management and Administration	Architecture and Construction	Education and Training	Science Technology Engineering and Math			

1660	<p><b>PLTW Principles of Biomedical Sciences – Grades 9 – 12</b> - In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. This course serves as the first course for PLTW Biomedical Science. (A <b>"Project Lead the Way"</b> course).</p>	9-12		PLTW	Health Science	Science Technology Engineering and Math					
1661	<p><b>PLTW Human Body Systems – Grade 9 – 12</b> - Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Manikin®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This course serves as the precursor for PLTW Principles of Biomedical Science 1662. (A <b>"Project Lead the Way"</b> course).</p>	9-12		PLTW	Health Science	Science Technology Engineering and Math					
1662	<p><b>PLTW Medical Intervention – Grades 9 – 12</b> - Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course is sequenced after PLTW Human Body Systems 1661. (A <b>"Project Lead the Way"</b> course).</p>	9-12		PLTW	Health Science	Science Technology Engineering and Math					
1663	<p><b>Biomedical Sciences – Grades 9 – 12</b> -In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21<sup>st</sup> century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Students have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.</p>	9-12			Health Science	Human Services	Science Technology Engineering and Math				

1664	<p><b>PLTW Biomedical Innovation 9 - 12</b> - In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution's. This course is sequenced after PLTW Medical Interventions 1662. (A "Project Lead the Way" course).</p>	9-12		PLTW	Health Science	Science Technology Engineering and Math					
1665	<p><b>Design and Modeling – Grades 6 – 8</b> - Students use geometry, problem-solving, teamwork, and project management skills to design and develop product prototypes.(A "Project Lead the Way" course)</p>	6-8	Description	PLTW							
1666	<p><b>Magic of Electrons – Grades 6 – 8</b> - Engaged in relevant hands-on projects, students unravel the mysteries of digital circuitry.(A "Project Lead the Way" course)</p>	6-8	Description	PLTW							
1667	<p><b>Science of Technology – Grades 6 – 8</b> - Students apply scientific principles and concepts of simple machines and energy to solve real-world problems.(A "Project Lead the Way" course)</p>	6-8	Description	PLTW							

1668	<p><b>Automation and Robotics – Grades 6 – 8</b> - Students design and build automated systems that incorporate the principles of electrons, physics, and robotics to gain an enriched understanding of the contemporary mechanical world.(A "Project Lead the Way" course)</p>	6-8	Description	PLTW							
1669	<p><b>Flight and Space – Grades 6 – 8</b> - Developed with NASA, this unit explores the technology of aeronautics, propulsion, and rocketry. Students see connections between hands-on projects and academic subjects such as math and science.(A "Project Lead the Way" course)</p>	6-8	Description	PLTW							
1670	<p><b>Advanced Career- Nature of Science and Technology 9 - 12</b> - This is a contextual-based SREB Advanced Curriculum course that introduces students to the core fundamental concepts of science and technology through authentic projects. Through these projects, students will develop an understanding of the relationship between the physical, biological and social world. Students will gain an understanding of the differences between science and technology, and learn that technology is a process for applying science. Students will develop a deeper understanding of scientific inquiry and the engineering design process when solving real-world problems. Students will experience the interaction of science, technology, engineering, math and literacy through a problem-based learning environment. Finally, the process will require students to use mathematics to analyze costs, develop budgets and make precise measurements to successfully implement project goals. This is the first course in the course sequence.</p>	9-12		SREB	Science, Technology, Engineering and Math						
1671	<p><b>Advanced Career- Core Applications of Science and Technology 9 - 12</b> - This SREB Advanced Curriculum course uses the concepts learned from the Advanced Career - The Nature of Science and Technology course to further develop students' problem-solving strategies and skills needed by the 21st-century workforce. Students will continue to explore emerging technologies and techniques in the context of addressing authentic projects. Key concepts introduced in this course include sustainability and environmental trends, systems thinking, and trend analysis and prediction. Through engagement, students will experience the necessary connection between literacy, mathematics and science in a variety of hands-on, real-world projects requiring them to apply academic and technical concepts and skills and technology to complete. This course is sequenced after the Advanced Career- The Nature of Science and Technology 1670.</p>	9-12		SREB	Science, Technology, Engineering and Math						



1672	<p><b>Advanced Career - Impacts of Science and Technology 9 - 12</b> - This SREB Advanced Curriculum course will examine the past, present and future impact of science and technology on culture, society and the environment. Students will explore how their predecessors worked to solve some problems that still exist today, and examine the potential of using modern technology to solve those problems. From these explorations, students will engage in a variety of hands-on design projects that will address tradeoffs, optimization, interconnectivity and the nature of complex systems. This course is sequenced after the Advanced Career - Core Applications of Science and Technology course 1671.</p>	9-12		SREB	Science, Technology, Engineering and Math						
1673	<p><b>Advanced Career - Creativity and Innovations 9 - 12</b> - This SREB Advanced Curriculum course will allow students to brainstorm, use invention, innovation, creativity, predictive analysis and use technology to solve real-world problems. Dimensions covered will include research and development, troubleshooting, experimentation, design failures, patents and trademarks, and design under constraints. This course is sequenced after the Advanced Career - Impacts of Science and Technology course 1672.</p>	9-12		SREB	Science, Technology, Engineering and Math						
1674	<p><b>Advanced Career-Fundamentals of Aerospace Technology 9-12</b> - This project-based learning course engages students who are curious about aviation and aerospace careers. This course will introduce students to an engineering design process, tools to collect and analyze data, the science of aviation, materials and structures, and safety. Students will participate in real-world experiences such as designing, building and testing a pilot seat, kite, straw rocket and launcher, motor-powered rocket and a model glider. This is the first course in the Aerospace Engineering Curriculum.</p>	9-12		SREB	Science, Technology, Engineering and Math						
1675	<p><b>Advanced Career-Advanced Aerospace Technology 9-12</b> - This course builds on the foundation of Course 1 and engages students in applying the design process, using tools to collect and analyze data, exploring a deeper level of the science of aviation and discovering how quality control systems work in the aviation field. Students will work collaboratively in teams to design, build and test a wing; plot a course for a plane to take off and land; design, build and test a wing attachment system; test materials under stress; and design, build and test an electric-powered plane. Students will demonstrate their newly acquired knowledge and skills by presenting their innovative ideas, techniques and solutions to business and industry partners.</p>	9-12		SREB	Science, Technology, Engineering and Math						

1676	<p><b>Advanced Career-Aeronautics Engineering Applications 9-12</b> - This project-based learning course is for students who have successfully completed Courses 1 and 2. Students will learn about systems such as flight control, remote-control vehicles and the virtual world. Students will learn to fly using flight simulators. They will work collaboratively to propose a shift from a VOR navigation system to a GPS system and determine the cost savings. In addition, students will develop rotor blades for helicopters and design and program an unmanned flying vehicle. This is the third course in the Aerospace Engineering POS.</p>			SREB	Science, Technology, Engineering and Math						
1677	<p><b>Advanced Career-Astronautics Engineering Applications 9-12</b> - Students in this capstone course will focus on outer space and underwater applications. During the six projects, they will work collaboratively to design, build and test a laser communication system; develop a plan for space survivability in hostile environments; and utilize software to create a three-dimensional model of a satellite orbit and a team remote vehicle for underwater exploration. Depending on articulation agreements or state policy, students who successfully complete the course may be able to earn dual credit. This is the capstone class in the Aerospace Engineering POS.</p>			SREB	Science, Technology, Engineering and Math						
1678	<p><b>Advanced Career - Clean Energy Systems 9-12</b> - This course exposes students to three sources of renewable energy: wind, solar and biofuels. Working with solar, thermal, chemical and mechanical sources of clean energy teaches students how to apply physics, geography, chemistry, biology, geometry, algebra and engineering fundamentals. Students learn the most efficient and appropriate use of energy production as they explore the relevant relationships among work, power and energy. Students will engage in a wide variety of hands-on projects and lab activities that both test their knowledge and illustrate the interrelationships between the various forms of clean energy. This is the first course in Clean Energy Technology POS.</p>			SREB	Agriculture, Food and Natural Resources Science, Technology, Engineering and Math						
1679	<p><b>Advanced Career - Clean Energy Applications 9-12</b> - This course builds on the foundation of Course 1 and introduces nuclear power, steam generation, fuel cells, geothermal power, water power, AC/DC power generation, heat transfer and the laws of thermodynamics. In addition, students now use chemical and thermal energy principles to create, store and use energy efficiently to power a variety of mechanical and electrical devices. Students will engage in a variety of hands-on design projects to demonstrate principles using advanced technology hardware and software.</p>			SREB	Agriculture, Food and Natural Resources Science, Technology, Engineering and Math						

1680	<p><b>Advanced Career - Clean Energy Strategies 9-12</b> - Students in this course utilize applicable skills from the foundational courses to tackle challenges associated with the implementation of clean energy technology. The hands-on projects encountered during this course will require students to address specific issues related to providing portable power in any situation, developing new energy storage systems, increasing the efficiency of the modern home, and designing more energy efficient buildings and homes.</p>	9-12		SREB	Agriculture, Food and Natural Resources	Science, Technology, Engineering and Math					
1681	<p><b>Advanced Career - Clean Energy Innovations 9-12</b> - The innovations course is the fourth and final course in the Clean Energy Technology Pathway Program. The course will provide students the opportunity to work independently with open-ended, problem-solving scenarios to create an original solution in the area of clean energy entrepreneurship or clean energy research and development. Students will collaborate with a mentor to conduct applied research around a defined research problem, develop solutions, collect and analyze relevant data, evaluate their solutions, and present their findings in public venues and competitions.</p>	9-12		SREB	Agriculture, Food and Natural Resources	Science, Technology, Engineering and Math					
1695	<p><b>Technology Education-Related Subjects - Recommended for Students Grades 9 - 12</b> - Course provides skills and knowledge necessary or useful for particular occupations or technologies within an industrial or technological field. Particular topics and skills, or their applications, covered in these courses may vary with the occupation or technology.</p>	9-12			Information Technology	Manufacturing	Science Technology Engineering and Math	Architecture and Construction			
1696	<p><b>Technology Education-Independent Study - Recommended for Students Grades 9 - 12</b> - Course often conducted with instructors as mentors; enable students to explore topics of interest within one of the fields related to industry or technology.</p>	9-12			Information Technology	Manufacturing	Science Technology Engineering and Math	Architecture and Construction			





1707	<p><b>Life Science - Student Grades 5 - 8</b> - Course introduces students to basic ideas in biology, using hands-on and inquiry-based approaches. Topic presented may include the characteristics that are the basis for classifying organisms, the synergy among organisms and the environments of organisms, and health.</p>	5-8									
1708	<p><b>Physical Science - Student Grades 5 - 8</b> - Course introduces students to basic ideas in chemistry and physics, using hands-on and inquiry-based approaches. Topics presented may include properties of matter, fields, forces, and motion; and energy and energy transformations.</p>	5-8									
1709	<p><b>Elementary Exploratory Science - Student Grades K - 6</b> - Course exposes students to the scientific method and research while learning about science with hands on activities and concrete information. The cycle of exploration goes through a three-year cycle before starting again. Topics covered include, but are not limited to, earth, space, physical, and life sciences.</p>	K-6									
1710	<p><b>Elementary Science Intervention (Elementary setting)</b></p>	K-6		Elementary							

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1714	<p><b>Biology-Specific Topics - Student Grades 9 - 12</b> - Course is typically offered (but not restricted) to students who have mastered the concepts covered in Biology-First Year courses. These courses examine biological systems in more detail, concentrating on a particular subtopic (such as botany, zoology, microbiology, genetics, and so on). These concepts are often studied on a college level.</p>	9-12									
1715	<p><b>AP Biology - Student Grades 9 - 12</b> - Typically taken after a year of high school biology and chemistry and designed to parallel college level introductory biology courses, AP Biology courses stress basic facts and their synthesis into major biological concepts and themes. Three general areas are covered: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology courses include college level laboratory experiments. . This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	9-12		AP							
1716	<p><b>IB Biology - Student Grades 9 - 12</b> - Course prepares students to take the International Baccalaureate Biology exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field. This may include; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon society and upon issues of ethical, philosophical and political importance. IB course content varies, but includes study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of this course.</p>	9-12		IB							
1717	<p><b>Elementary Science (Elementary setting)</b></p>	K-6		Elementary							





1723	<p><b>Chemistry-Advanced Studies - Student Grades 9 - 12</b> - Usually taken after Chemistry-First Year courses, Chemistry-Advanced Studies courses cover chemical properties and interactions in more detail. Often offered as a college level course, advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.</p>	9-12									
1724	<p><b>Chemistry-Specific Topics - Grades 9 - 12</b> - Course is typically offered (but not restricted) to students who have mastered the concepts presented in Chemistry First Year courses. These courses cover chemical principles and reactions in more detail, concentrating on a particular subtopic such as organic chemistry, chromatography and spectrometry, physical chemistry, and so on. These concepts are often studied on a college level.</p>	9-12									
1725	<p><b>AP Chemistry - Grades 9 - 12</b> - Course designed to parallel college level general chemistry courses; AP Chemistry courses usually follow high school chemistry and second year algebra. AP Chemistry courses require more time, effort, and formulation from students than regular secondary chemistry courses. Topics may include atomic theory and structure; chemical bonding; nuclear chemistry; states of matter; and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	9-12		AP							
1726	<p><b>IB Chemistry - Grades 9 - 12</b> - Course prepares students to take the International Baccalaureate Chemistry exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of chemistry and scientific advances in chemistry upon society and upon issues of ethical, philosophical and political importance. Course content varies, but includes the study of the materials of the environment, their properties, and their interaction. Laboratory experimentation is essential.</p>	9-12		IB							



1735	AP Physics B - Grades 9 - 12 –DELETED										
		9-12	Deleted								
1736	AP Physics (Mechanics) - Grades 9 - 12 - Course is designed to parallel college-level physics courses that serve as a partial foundation for science or engineering majors. AP Physics C Mechanics primarily focuses on mechanics. AP Physics C Mechanics is more intensive and analytic than AP Physics B and requires the use of calculus to solve the problems posed. Equal emphasis is on AP Physics C Electricity and Magnetism. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.										
		9-12		AP							
1737	IB Physics - Grades 9 - 12 - Course prepares students to take the International Baccalaureate Physics exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Physics promotes an understanding of the facts, patterns, and principles underlying the field of physics. These include; critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of physics and scientific advances in physics upon society and upon issues of ethical, philosophical and political importance. Course content varies, but includes the study of the fundamental laws of nature and the interaction between concepts of matter, fields, waves, and energy. Laboratory experimentation is essential, while calculus is optional in this course.										
		9-12		IB							
1738	AP Physics C Electricity and Magnetism - Grades 9 - 12 - Course is designed to parallel college-level courses that serve as a partial foundation for science or engineering majors. AP Physics C Electricity and Magnetism primarily focuses on electricity and magnetism. AP Physics C Electricity and Magnetism is more intensive and analytic than AP Physics B and requires the use of calculus to solve the problems posed. Equal emphasis is on AP Physics C Mechanics. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.										
		9-12		AP							





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1781	<p><b>Science Technology/Engineering - Elective Only – Does NOT count for High School Graduation Credit - Student Grades 5 - 12</b> - Course offers the opportunity to approach practical, technological problems and to use scientific, experimental skills and processes to reach solutions. Students may use a theoretical framework, or may develop prototypes and working models.</p>	5-12			Architecture and Construction	Science Technology Engineering and Math					
1782	<p><b>Origins of Science – Elective Only – Does NOT count for High School Graduation Credit - Student Grades 5 - 12</b> - Course explores the body of scientific knowledge and discoveries from an historical perspective, wherein students gain an understanding of how one discovery led to others or to entire revolutions of thought. Original experiments may be replicated, and primary materials may be studied.</p>	5-12									
1783	<p><b>Scientific Technology – Grades 10-12</b> - This is a project based course using emergent technologies to give students hands on experience exploring scientific theories and processes. Utilizing microscopy, robotics, supercomputing, and 3D modeling, students will create an independent research project to address real life problems. Students will present their projects at a science fair and compete in robotics and/or supercomputing competitions. <i>NM 9-12 Science Standards. Strand I: Standard I (Benchmarks I, II, III). Strand II: Standard I (Benchmarks II, III), Standard II (Benchmarks I, II). Strand III: Standard I (Benchmark I)</i></p>	10-12									
1792	<p><b>Emergency Medical Technician (Applied Science) - Grades 9 - 12</b> – The curriculum must align to the New Mexico Science Standards with Benchmarks. This course is similar to 1517 Emergency Medical Technician (Career/Technical) which is listed under the Health Care Sciences section and places a special emphasis on the knowledge and skills needed in medical emergency situations. Topics may include the biological processes underlying disease and illness as well as the medical applications of physical science principals related to forces and motion. This course may be used to satisfy both a science and career/technical credit requirement at the same time, but if taken for both requirements it does not reduce the total number of units required for graduation.</p>	9-12			Health Science						





1801	<p><b>Basic Management Concepts - Recommended for Students Grades 7 - 9</b> - A basic introductory course which will teach concepts of entry-level marketing and entry level work skills. Course orients students to marketing education/DECA. Appropriate for students with a possible interest in marketing, sales, or small business operation. This course expose students to cashier/checker operations, opportunities available in retail, wholesale, advertising, and other occupational fields using marketing principles.</p>	7-9									
1802	<p><b>Principles of Marketing - Fundamentals - Recommended for Students Grades 9 - 12</b> - Course focuses on the wide range of factors that influence the flow of goods and services from the producer to the consumer. This course is usually offered as a series. Marketing - Fundamentals courses include a variety of topics related to providing goods and services, such as market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management entrepreneurship and pricing and packaging. Human relations, employability skills, computers, math skills, and economics are also covered. Job and career exploration to include work site experiences are an integral emphasis of Marketing - Fundamentals.</p>	9-12				Marketing Sales and Service					
1803	<p><b>Marketing-Fashion - Recommended for Students Grades 11 - 12</b> - Course covers the same scope of topics as Marketing-General courses (purchasing and distribution systems; advertising, display and sales; management and entrepreneurship, and so on), but do so with particular attention to the fashion industry. In keeping with the focus on the fashion industry, course topics may also include fashion cycles, fashion history, design, and the development of fashion style and coordination.</p>	11-12				Marketing Sales and Service	Business Management and Administration	Arts Audio-Video Technology and Communications			
1804	<p><b>Marketing-Real Estate - Recommended for Students Grades 11 - 12</b> - Course covers the same scope of topics as Marketing-General courses (purchasing; advertising; sales; human relations, management and entrepreneurship, and so on), but do so with particular attention to the real estate industry. In keeping with the focus on real estate, course topics may also include financing, investment, ownership rights, ethics, and other real estate principles. Students successfully completing some courses may be eligible to take the state real estate licensing exam.</p>	11-12				Marketing Sales and Service	Business Management and Administration				

1805	<p><b>Marketing-Transportation - Recommended for Students Grades 11 - 12</b> - Course covers the same scope of topics as Marketing-General courses (purchasing and distribution systems; advertising, display and sales; management and entrepreneurship, and so on), but do so with particular attention to the transportation industry. In keeping with the focus on this industry, course topics may also include identification and proper use of auto parts and accessories.</p>	11-12			Marketing Sales and Service	Business Management and Administration	Transportation Distribution & Logistics				
1806	<p><b>Marketing - Other Specialization - Recommended for Students Grades 10 - 12</b> - Course covers the same scope of topics as Principals of Marketing courses (purchasing and distribution systems; advertising, display and sales; management and entrepreneurship, and so on), but do so with attention to a particular industry not specified above. The course may also cover specific topics related to the particular industry being covered.</p>	10-12			Marketing Sales and Service						
1807	<p><b>Marketing Lab II – Grades 11-12</b> – In Marketing Lab II the student has the opportunity to demonstrate employability skills in a hands-on school-based enterprise (SBE) environment. The student practices supervising peers in a controlled learning situation. Areas of study are financial measures, facilities and equipment management, marketing functions, and career readiness.</p>	11-12			Marketing Sales and Service						
1808	<p><b>Marketing Lab III – Grade 12</b>- Marketing Lab III is the capstone course for marketing lab students. The student schedules and manages peers in a controlled learning environment and applies managerial principles in daily retail activities. Areas of study are financial measures, facilities and equipment management, marketing functions, and career readiness.</p>	12			Marketing Sales and Service						

1813	<p><b>Warehouse Operations - Recommended for Students Grades 11 - 12</b> - Course presents marketing principles and concepts related to the receipt, storage, and distribution of goods. Course topics typically include inventory control, warehouse security, purchasing and distribution systems, and safety. Warehouse Operations courses may also include other marketing principles and concepts.</p>	11-12			Government and Public Administration	Business Management and Administration	Transportation Distribution & Logistics	Manufacturing	Agriculture, Food and Natural Resources		
1814	<p><b>Retail Marketing - Recommended for Students Grades 11 - 12</b> - Course covers marketing principles and concepts related to the provision of goods or services directly to the consumer, emphasizing store operation, advertisement and display of goods, store security, human relations, and business management and ownership.</p>	11-12			Marketing Sales and Service	Hospitality and Tourism	Law Public Safety & Security	Business Management and Administration			
1824	<p><b>Principles of Advertising - Recommended for Students Grades 10 - 12</b> - Course expose students to the varied concepts underlying the promotion of products. The topics included in Principles of Advertising courses range considerably, but may include the psychology of advertising, a study of various media, advertising planning and budgeting, and advertising layout and design principles. The course topics may also include an overview of commercial art and packaging.</p>	10-12			Marketing Sales and Service	Business Management and Administration	Hospitality and Tourism				
1825	<p><b>Principles of Selling - Recommended for Students Grades 10 - 12</b> - Course provides students with the knowledge and opportunity to develop in depth sales competencies. Types of selling, steps in a sale, sales strategies, and skills and techniques in the area of sales may all be topics of these courses.</p>	10-12			Marketing Sales and Service	Business Management and Administration	Hospitality and Tourism				

1826	<p><b>Marketing Management - Recommended for Students Grades 11 - 12</b> - Course covers the same scope of topics as Principals of Marketing courses (purchasing and distribution systems; advertising and sales; and so on) but place a particular emphasis on business management and entrepreneurship, providing exposure to common techniques and problems of management.</p>	11-12			Marketing Sales and Service	Business Management and Administration	Hospitality and Tourism				
1830	<p><b>Principals of Marketing - Advanced - Recommended for Students Grades 10 - 12</b> - This course expands on, and builds on the concepts of the Principles of Marketing - Fundamentals class. Marketing Advanced is an in-depth course for the career-minded student with emphasis in the following areas: marketing and business fundamentals, business management, information management, human relations, product/service planning, finance, distribution, purchasing, pricing, promotion and selling. Job and career exploration to include work site experiences are an integral emphasis of Marketing Advanced.</p>	10-12			Marketing Sales and Service	Business Management and Administration	Hospitality and Tourism				
1832	<p><b>Marketing Strategy - Recommended for Students Grades 11 - 12</b> - This course is designed as a capstone course for juniors and seniors to couple the marketing and economic skills students have mastered with the latest technology in marketing sales, mass media, research, and customer service presentation techniques. Emphasis is placed on creating a professional, polished approach to marketing products and services. Skills in technical writing, communications, mathematics, and application of current computer software are reinforced in this course. Work-based learning, internships and apprenticeships may be an integral part of this course.</p>	11-12			Marketing Sales and Service	Business Management and Administration	Hospitality and Tourism				
1834	<p><b>Marketing Research - Recommended for Students Grades 11 - 12</b> - A business and marketing research class which engages students in research techniques and application to business problems. Students will be expected to identify a problem, research it, compile information and results, analyze the information, synthesize a solution from the information, present the findings and suggestions to an appropriate audience, and evaluate their process. As student presentation of the project in both a written product and a classroom and/or competitive presentation are integral to the course.</p>	11-12			Marketing Sales and Service	Business Management and Administration	Hospitality and Tourism				

1850	<p><b>Business Communications - Recommended for Students Grades 9 - 12</b> - Course emphasizes written reports, proposals, memos and business letters, Principles of effective business writing, business letter and solution of business problems by letter, letter of application, development of effective expression, related business forms and business reports are covered. Additional communication skills are addressed - nonverbal communication, cultural differences in non-verbal communication, listening, and oral communication.</p>	9-12			Hospitality and Tourism	Finance	Business Management and Administration	Marketing Sales and Service	Government and Public Administration		
1896	<p><b>Marketing-Independent Study - - Recommended for Students Grades 11 - 12</b> - Course, often conducted with instructors as mentors, enable students to explore marketing related topics of interest in greater depth and detail. Independent Study courses may serve as an opportunity to expand expertise in a particular industry application, to explore a topic of special interest within a related industry, or to develop greater marketing skills.</p>	11-12			Business Management and Administration	Marketing Sales and Service	Hospitality and Tourism				
1897	<p><b>Marketing - Mentorship and Internship - - Recommended for Students Grades 11 - 12</b> - Course work experience is gained in marketing-related careers in one of several industries. This course may include work-study, internships, school-based enterprises, service learning, mentor programs, or job shadowing experiences. Standards are set for the experience period and related classroom experience will align with occupational training in the field. Improvement of employability skills and discussion regarding the experiences and problems encountered on the job will also be included in classroom activity.</p>	11-12			Business Management and Administration	Marketing Sales and Service	Hospitality and Tourism				
1898	<p><b>Marketing Work Experience (Co-op) - Recommended for Students Grades 11 - 12</b> - This course provides opportunities for students enrolled previously or concurrently in a marketing class to gain "real world" attitudes, skills, and knowledge. This experience would allow students school release time for completion of cooperative work experiences. The student, teacher, and employer will set goals cooperatively: classroom attendance related to classroom training experience and related coursework are integral part of the marketing work-based experience. Work-based competencies are to be developed and met in order for the student to receive credit.</p>	11-12			Business Management and Administration	Marketing Sales and Service	Hospitality and Tourism				

1899	Marketing - Recommended for Students Grades 10 - 12 - Other. Typically used with advanced dual credit topics.	10-12			Marketing Sales and Service						
1902	Journalism - Recommended for Students Grades 9 - 12 - Course associated with the production of a school newspaper, yearbook, or literary magazine; therefore, they not only emphasize writing style and technique, but also production values and organization. Beginning journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the basics of production design, layout, and printing of a publication. Advanced students learn and practice more refined journalistic techniques, participate to a greater extent in the formation and/or management of the production team, and gain experience in critical evaluation of story content and the publication as a whole. Photography and photojournalism skills may be included.	9-12			Marketing Sales and Service	Arts Audio-Video Technology and Communications	Hospitality and Tourism				
1903	Yearbook - Recommended for Students Grades 9 - 12 - Course is responsible for creating, designing, marketing, producing and selling the school yearbook. Techniques in modular layout design, interviewing, writing copy and headlines, editing, advertising sales and design marketing, and business procedures are stressed. All students will be expected to complete assignments on the computer. Meeting regular deadlines and peer cooperation are emphasized in producing the yearbook.	9-12			Business Management and Administration	Marketing Sales and Service	Hospitality and Tourism	Arts Audio-Video Technology and Communications			
1904	Editor - Recommended for Students Grades 11 - 12 - Student will direct, lead, produce and edit a section of the yearbook or the newspaper along with a staff of other students.	11-12			Arts, Audio-Video Technology and Communications						

1905	<p><b>Newspaper/Journalism Writing</b> - Recommended for Students Grades 9 - 12 - Course introduces news, sports, feature and editorial writing in addition to advertising, headline writing, new editing and photography. Journalism provides a common core of skills in listening, speaking, reading and writing and technology in journalism and the new media. Emphasis is given to the study of law of the press, journalistic responsibility and concepts in layout and design, using computers, including researching and web page development on the Internet. Students also staff the school published newspaper and/or online publication.</p>	9-12			Arts, Audio-Video Technology and Communications	Marketing Sales and Service				
1911	<p><b>Mass Media-Production</b> - Recommended for Students Grades 9 - 12 - Course provides the technical knowledge and skills necessary for television, video, film, and/or radio production. Writing scripts, camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered within Mass Media-Production courses. Students are usually required to produce their own program or segment. Additional topics such as broadcast industry regulations, radio/TV operation, power of the medium, photography, transmission technology, and so on may be included.</p>	9-12			Arts, Audio-Video Technology and Communications	Marketing Sales and Service				
1921	<p><b>Mass Media-Communication</b> - Recommended for Students Grades 9 - 12 - Course enables students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and propaganda; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium.</p>	9-12			Hospitality and Tourism	Information Technology	Arts Audio-Video Technology and Communications			
1931	<p><b>Photojournalism</b> - Recommended for Students Grades 9 - 12 - Course exposes students to the manner in which photography is used to convey information and experiences. Typically coordinated with production of the school newspaper or yearbook, Photojournalism courses provide students with the opportunity to improve their photocomposition and film development skills, and to apply their art to journalistic endeavors.</p>	9-12			Arts, Audio-Video Technology and Communications	Marketing Sales and Service				











2025	<p><b>Sixth Grade Math – Grade 6</b> – This course focuses on four critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing the understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking. The Standards for Mathematical Practice apply throughout this course and, together with the content standards, prescribe mathematics as a coherent, useful, and logical subject that makes sense of problem situations.</p>	6								
2026	<p><b>Seventh Grade Math – Grade 7</b> – This courses focuses on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples. The Standards for Mathematical Practice apply throughout this course and, together with the content standards, prescribe mathematics as a coherent, useful, and logical subject that makes sense of problem situations.</p>	7								
2027	<p><b>Eighth Grade Math – Grade 8</b> – This course focuses on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. The Standards for Mathematical Practice apply throughout this course and, together with the content standards, prescribe mathematics as a coherent, useful, and logical subject that makes sense of problem situations.</p>	8								
2028	<p><b>Algebra I Eighth Grade – Grade 8 – Pre-requisite: 2036 Accelerated Traditional Mathematics – Grade 7</b> – This course aligns to high school Algebra I and some of the grade 8 Common Core Standards for Mathematics and requires a faster pace for instruction and learning. The five critical areas include: relationships between quantities and reasoning with equations; linear and exponential relationships; descriptive statistics; expressions and equations; and quadratic functions and modeling. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. <b>For high school credit, the teacher must hold a secondary math endorsement.</b></p>	8								









2048	<p><b>Trigonometry/Analytic Geometry - Grades 9 - 12</b> – This course aligns to the geometry standards and is higher than the level of Algebra II. Course covering the topics of both Trigonometry and Analytic Geometry, these courses prepare students for eventual work in calculus. Topics include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; vectors; the polar coordinate system; equations and graphs of conic sections; rotations and transformations; and parametric equations. Review topics: solutions of linear and quadratic equations. Enhancement topics: polynomial, logarithmic, exponential, and rational functions and their graphs; matrix algebra; and analytic geometry of solids.</p>	9-12									
2049	<p><b>Trigonometry/Math Analysis - Grades 9 - 12</b> –This course is higher than the level of Algebra II. Course covering the topics of both Trigonometry and Math Analysis, these courses prepare students for eventual work in calculus. Topics include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. Enhancement topics: elementary probability and statistics, derivatives, and integrals.</p>	9-12									
2050	<p><b>Analytic Geometry/Math Analysis - Grades 9 - 12</b> - This course is higher than the level of Algebra II. Course covering the topics from both Analytic Geometry and Math Analysis, these courses prepare students for eventual work in calculus. Topics include the study of polynomial, logarithmic, exponential, and rational functions and their graphs; vectors; the polar coordinate system; equations and graphs of conic sections; rotations and transformations; parametric equations; set theory; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. Review topics: solutions of linear and quadratic equations and systems of these equations, right trigonometric and circular functions and their graphs, and other trigonometry topics. Enhancement topics: analytic geometry of solids, elementary probability and statistics, derivatives, and integrals.</p>	9-12									
2051	<p><b>IB Mathematical Studies - Grades 9 - 12</b> – This course aligns to 9-12 math standards. Course prepares students to take the International Baccalaureate Mathematical Studies exam at the Subsidiary or Higher level. The course is intended to provide the skills needed to cope with the mathematical demands of a technological society. Course topics include linear, quadratic, and exponential functions, solutions, and graphs; skills in computation, estimation, and development of algorithms; data analysis, including collection, calculation, and presentation of statistics; set operations and logic; business techniques, including progressions and linear programming; and geometry and trigonometry. Enhancement topics: numerical functions, variation properties, financial mathematics, critical path analysis, model building, and multi-dimensional geometry.</p>	9-12		IB							



2056	<p><b>Multivariate Calculus - Grades 11 - 12</b> - This course is higher than the level of Algebra II. Course includes the study of hyperbolic functions, improper integrals, directional derivatives, and multiple integration and its applications. Enhancement topics: differential forms and vector calculus.</p>	11-12									
2057	<p><b>Differential Equations - Grades 11 - 12</b> - This course is higher than the level of Algebra II. Course includes the study of elementary differential equations including first and higher order differential equations, partial differential equations, linear equations, systems of linear equations, transformations, series solutions, numerical methods, boundary value problems, and existence theorems.</p>	11-12									
2058	<p><b>AP Calculus AB - Grades 11 - 12</b> - This course is higher than the level of Algebra II. AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate of change problems); and integral calculus (including anti-derivatives and the definite integral). This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	11-12		AP							
2059	<p><b>AP Calculus BC - Grades 11 - 12</b> - This course is higher than the level of Algebra II. Course provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also requires additional knowledge of the theoretical tools of calculus. These courses assume a thorough knowledge of elementary functions, and cover all of the calculus topics in AP Calculus AB as well as the following topics: vector functions, parametric equations, and polar coordinates; rigorous definitions of finite and nonexistent limits; derivatives of vector functions and parametrically defined functions; advanced techniques of integration and advanced applications of the definite integral; and sequences and series. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	11-12		AP							



2074	<p><b>Abstract Algebra - Pre Calculus level - Grades 11 - 12</b> - This course is higher than the level of Algebra II. Course intended for students who have attained pre-calculus objectives. Abstract Algebra-Pre Calculus level courses include a study of the properties of the number system from an abstract perspective, including such topics as number fields (i.e., rational, real, and complex numbers), integral domains, rings, groups, polynomials, and the fundamental theorem of algebra.</p>	11-12									
2075	<p><b>Linear Algebra - Pre Calculus level - Grades 11 - 12</b> - This course is higher than the level of Algebra II. Course intended for students who have attained pre-calculus objectives. Linear Algebra-Pre Calculus level courses include a study of matrices, vectors, tensors, and linear transformations.</p>	11-12									
2076	<p><b>Linear Programming - Pre Calculus level - Grades 11 - 12</b> - This course is higher than the level of Algebra II. Course intended for students who have attained pre-calculus objectives. Linear Programming-Pre Calculus level courses include a study of mathematical modeling and the simplex method to solve linear inequalities.</p>	11-12									
2077	<p><b>SREB Math Ready – Grade 12 – Pre-requisite: either the course series of Algebra I, Geometry and Algebra II or the course series of Integrated Pathway: Mathematics I, II and III.</b> This course is higher than the level of Algebra II. This Southern Regional Educational Board (SREB) course emphasizes an understanding of math concepts. Math Ready students learn the context behind procedures and come to understand the “whys” of using certain formulas or methods to solve a problem. By engaging students in real-world applications, this course develops critical thinking skills that students will use in college and careers.</p>	12	Description	SREB							



2083	<p><b>Integrated Pathway: Mathematics IV - Grade 12</b>—This course is higher than the level of Algebra II and may include topics in pre-calculus, trigonometry, math analysis and/or calculus. This course is for students who have successfully attained the standards and seek an integrated approach to further study of mathematics.</p>	12								
2084	<p><b>Integrated Pathway: Mathematics I, Intervention – Grades 9 - 10</b> - For Elective Credit Only— Cannot count as one of the four math credits required for High School Graduation. This class will be offered in conjunction with a regular Integrated Pathway: Mathematics I course and will offer the extra support some students may need in order to be successful in the regular course. The teacher of this course will be guided by the Standards-based core curriculum of the regular course and will emphasize the skills, concepts and processes needed by the students. An intervention program can be thought of as a cycle consisting of three phases: diagnostic assessment, instructional actions and follow-up assessment.</p>	9-10								
2085	<p><b>Integrated Pathway: Mathematics II, Intervention – Grades 9 - 11</b> -For Elective Credit Only— Cannot count as one of the four math credits required for High School Graduation. This class will be offered in conjunction with a regular Integrated Pathway: Mathematics II course and will offer the extra support some students may need in order to be successful in the regular course. The teacher of this course will be guided by the Standards-based core curriculum of the regular course and will emphasize the skills, concepts and processes needed by the students. An intervention program can be thought of as a cycle consisting of three phases: diagnostic assessment, instructional actions and follow-up assessment.</p>	9-11								
2086	<p><b>Integrated Pathway: Mathematics III, Intervention – Grades 11 - 12</b> - For Elective Credit Only— Cannot count as one of the four math credits required for High School Graduation. This class will be offered in conjunction with a regular Integrated Pathway: Mathematics III course and will offer the extra support some students may need in order to be successful in the regular course. The teacher of this course will be guided by the Standards-based core curriculum of the regular course and will emphasize the skills, concepts and processes needed by the students. An intervention program can be thought of as a cycle consisting of three phases: diagnostic assessment, instructional actions and follow-up assessment.</p>	11-12								

2096	<p><b>Mathematics - Independent Study - Grades 9 - 12</b> – This course is higher than the level of Algebra II. Course, often conducted with instructors as mentors, enables students to explore mathematics topics of interest. These courses may be offered in conjunction with other rigorous math courses, or may serve as an opportunity to explore a topic of special interest. They may also serve as an opportunity to study for AP exams if the school does not offer specific courses for that endeavor.</p>	9-12									
2097	<p><b>Financial Literacy – Math – Grades 9 – 12</b> - This course provides an understanding of the topics of finance while reinforcing concepts and skills in the high school mathematics standards. This course aligns to at least the Algebra I standards. The finance topics may include: income and careers; money management; credit and debt; and savings and investing. Topic sections cover: personal income, business ownership; budget; taxes; insurance; credit cards; buying verses leasing, mortgages; rent; credit ratings; bankruptcy, bank and brokerage accounts; interest rates; stocks and bonds; retirement; pensions; inheritance; and government financing. The Standards for Mathematical Practice apply throughout this course and, together with the content standards, prescribe mathematics as a coherent, useful, and logical subject that makes sense of problem situations.</p>	9-12									
2099	<p><b>Mathematics - Recommended for Students Grades 5 - 12</b> – This course code is to be used for college level courses which are not listed above. It may also be used for middle school students if an appropriate MATH course code is unavailable. Typically used with advanced dual credit topics.</p>	5-12									
2111	<p><b>Introduction to ROTC - Recommended for Students Grades 9 - 12</b> - Course introduces students to the purposes and objectives of the Reserve Officer Training Corps program. As part of that introduction, course topics may include a brief history of the military branches in the United States and the basics of military drill, ceremony, and rank structure.</p>	9-12				Government and Public Administration					







2208	AP Humanities		deleted								
2209	AP Humanities		deleted								
2210	Humanities - Recommended for Students Grades 6 - 8 - Course provides a multidisciplinary curriculum by integrating reading, writing, speaking, listening, research, and thinking skills with the study of geography through maps, globes, direction, and place location as well as an in-depth study of past history to present cultures as specified for social studies at each grade level. The competencies taught meet the requirements for language arts and social studies for each grade level.	6-8									
2211	IB Theory of Knowledge - Recommended for Students Grades 11 - 12 - Course that is obligatory for every candidate for the International Baccalaureate degree, IB Theory of Knowledge courses aim to stimulate critical student reflection on the knowledge and experiences gained during high school. The courses seek to generate questions regarding the bases of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, and history, with an awareness of moral, political, and aesthetic judgments and biases. After completing the course, the student should be able to appreciate the strengths and limitations of various kinds of knowledge; to relate subjects studied to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a means of conveying knowledge.	11-12	IB								





[illegible]







2399	Physical Education - Recommended for Students Grades 9 - 12 – Other. Typically used with advanced dual credit topics.	9-12									
2403	Machining - Recommended for Students Grades 9 - 12 - Course enables students to create machine parts using various machine tools and equipment. Course content may include interpreting specifications for machines using blueprints, sketches, or descriptions of parts; preparing and using lathes, milling machines, shapers, and grinders with skill and safety; developing part specifications; and selecting appropriate materials.	9-12			Manufacturing	Architecture and Construction	Agriculture, Food and Natural Resources				
2404	Particular Topics in Machining - Recommended for Students Grades 9 - 12 - Course provides instruction in specific aspects of machining. The course may emphasize a particular type of machine, tool, or procedure, or may concentrate on a particular industrial application of machining techniques.	9-12			Manufacturing	Architecture and Construction	Agriculture, Food and Natural Resources				
2412	Metalworking - Recommended for Students Grades 9 - 12 - Course introduces students to the qualities and applications of various metals and the tools used to manipulate and form metal into products. Through one or more projects involving metals, students develop planning, layout, and measurement skills; gain experience in cutting, bending, forging, casting, and/or welding metal; complete projects according to blueprints or other specifications; and may learn to polish and finish metals. Correct use of metalworking tools and equipment is stressed.	9-12			Manufacturing	Architecture and Construction	Agriculture, Food and Natural Resources	Arts Audio-Video Technology and Communications			

2413	<p><b>Sheet Metal - Recommended for Students Grades 9 - 12</b> - Course exposes students to the skills and information necessary to layout, fabricate, assemble, install, maintain, and repair items and structures created from sheet metal components. Students learn the safe and efficient operation of various tools, and typically gain skill in blueprint reading; welding; and finishing and polishing metals.</p>	9-12			Manufacturing	Architecture and Construction	Agriculture, Food and Natural Resources				
2414	<p><b>Welding 1 - Recommended for Students Grades 9 - 12</b> - Course introduces students to the properties, uses, and applications of various metals. Welding courses provide experience in various processes used to join and cut metals (such as oxyacetylene, shielded metal arc, metal inert gas and tungsten arc processes) and the proper use of each technique. Courses often include instruction interpreting blueprints or other types of specifications.</p>	9-12			Manufacturing	Architecture and Construction	Agriculture, Food and Natural Resources	Arts Audio-Video Technology and Communications			
2415	<p><b>Particular Topics in Welding - Recommended for Students Grades 9 - 12</b> - In these courses students gain knowledge and skills of particular aspects of welding. Examples include individual courses in each of the following types of welding: gas metal arc welding, gas tungsten arc welding, and shielded metal arc welding.</p>	9-12			Manufacturing	Architecture and Construction	Agriculture, Food and Natural Resources	Arts Audio-Video Technology and Communications			
2416	<p><b>Welding 2 Grades 9 -12</b> - This is a second sequential course in a welding program of study meant to take a student into higher level knowledge and skill development.</p>	9-12			Manufacturing	Architecture and Construction	Agriculture, Food and Natural Resources	Arts Audio-Video Technology and Communications			

2417	<p><b>Welding 3 Grades 9 – 12</b> - This is a third sequential course in a welding program of study meant to take a student into higher level knowledge and skill development.</p>	9-12			Manufacturing	Architecture and Construction	Agriculture, Food and Natural Resources	Arts Audio-Video Technology and Communications			
2495	<p><b>Precision Metalwork - Related Subjects - Recommended for Students Grades 9 - 12</b> - Course provides students with related skills and knowledge necessary or desirable for careers in welding or machine technologies. The presentation of particular topics and skills, or their applications, may vary with the occupation or technology. For example, mathematics for welding students may differ in some respects from mathematics for machining students.</p>	9-12			Manufacturing	Architecture and Construction					
2496	<p><b>Precision Metalwork - Independent Study - Recommended for Students Grades 9 - 12</b> - Course, often conducted with instructors as mentors, enables students to explore metal related topics of interest in greater depth and detail. Independent Study courses may serve as an opportunity to expand expertise in a particular industry application, to explore a topic of special interest within a related industry, or to develop greater machining skills.</p>	9-12			Manufacturing	Architecture and Construction					
2497	<p><b>Precision Metalwork - OJT - Recommended for Students Grades 9 - 12</b> - Course, work experience is gained within the welding or machine technologies field. Although the student, teacher, and employer may set goals cooperatively, classroom attendance/experience is not an integral part of the Precision Metalwork-OJT experience.</p>	9-12			Manufacturing	Architecture and Construction					

2498	<b>Precision Metalwork - Co-Op - Recommended for Students Grades 9 - 12</b> - Course provides work experience in the welding or machine technologies field, and is supported by classroom attendance and discussion. Goals are set for the employment period; classroom experience may involve further study in the field, improvement of employability skills, or discussion regarding the experiences and problems encountered on the job.	9-12			Manufacturing	Architecture and Construction					
2499	<b>Precision Metalwork - Other - Recommended for Students Grades 9 - 12</b> - Other. Typically used with advanced dual credit topics.	9-12			Manufacturing	Architecture and Construction					
2501	<b>Exploration of Public Service Careers</b> - Course exposes students to the duties, responsibilities, requirements, and career opportunities within public service. Course topics vary and may include (but are not limited to) the following: education; protective services; correction, judicial, and probation services; fire protection and firefighting; public administration; and social work. Course activities depend upon the career clusters explored.	7-12			Human Services	Education and Training	Government and Public Administration	Law Public Safety & Security			
2503	<b>Community Protection</b> - Course provides students with information regarding the personnel and agencies concerned with protection of the home, city, state, and nation. Topics may include civil defense and disaster preparedness; crime prevention; pollution control; fire prevention and control; legal and social systems and principles; and public health. These topics may be explored as a community resident and citizen using these services, or as one interested in pursuing a career in public service.	7-12			Law, Public Safety and Security	Human Services	Government and Public Administration				

2504	<p><b>Public Administration</b> - Course provides an overview of the structure, roles, and duties of public governments and associated agencies. These courses explore the foundation and evolution of the public service sector, issues related to the provision of services by governmental bodies, and the missions and constraints of various departments within local and state governments. In addition, students may explore a particular topic of public administration (such as the tax base and structure, the legislative process, selection of public servants, resource management, and so on) in greater detail.</p>	7-12			Human Services	Government and Public Administration	Health Science				
2513	<p><b>Criminal Justice Assisting</b> - Course trains students to understand and apply the principles and procedures essential to the U.S. criminal justice system. The principles and structure of the justice system and the law are explored; course content also typically includes traffic control, investigation, search and arrest, laboratory, forensic, and trial procedures. Students may also learn CPR and first aid skills, personal defense tactics, and crime prevention techniques.</p>	7-12			Government and Public Administration	Law Public Safety & Security					
2523	<p><b>Fire Fighting</b> - Course offers students the opportunity to learn fire prevention and control under controlled conditions. The organization, rules, requirements, and regulations of fire departments are presented; the tools and techniques used by firefighters to control or extinguish fires are examined and practiced; and the behavior of fires is studied. Emergency medical techniques are typically included; fire investigation techniques may also be presented.</p>	7-12			Health Science	Law Public Safety & Security	Government and Public Administration				
2533	<p><b>Teacher Assisting</b> – Course Code Change from 2533 to 0562</p>	DELETED	DELETED								



2597	Teaching and Practicum - Course Code Change from 2597 to 0597.	DELETED	DELETED								
2598	Public, Protective, and Social Services-Co-Op - Course provides work experience in the public service sector, and is supported by classroom attendance and discussion. Goals are set for the employment period; classroom experience may involve further study in the field, improvement of employability skills, or discussion regarding the experiences and problems encountered on the job.	9-12			Law, Public Safety and Security	Human Services	Government and Public Administration				
2599	Public, Protective, and Social Services – Other. Typically used with advanced dual credit topics.	9-12			Law, Public Safety and Security	Human Services	Government and Public Administration				
2601	Deleted		Deleted								

2605	<b>Comparative Religion</b> - Course surveys and compares the various forms and values of several world religions, offering students a basic understanding of the world's diverse religious faiths and practices. Course topics may include the belief systems of adherents; the relationships between humans and nature, ancestors, and the spiritual world; and the historical development of each religion.	7-12									
2606	<b>Eastern Religions</b> - Course is similar to Comparative Religion, Eastern Religions courses providing an overview of various religions and belief systems, but concentrate on those of the Eastern World. Particular religious or philosophical systems studied may include Buddhism, Hinduism, Islam, Taoism, Shintoism, and Confucianism, among others.	7-12									
2607	<b>Western Religions</b> - Course is similar to Comparative Religion, Western Religions courses providing an overview of various religions and belief systems, but concentrate on those of the Western World. Particular religious or philosophical systems studied may include Judaism; Christianity (including various faiths such as those of Catholics, Episcopalians, Baptists, Quakers, Mormons, Mennonites, and others); and Native Indian belief systems, among others.	7-12									
2611	Deleted		Deleted								



2612	<b>Religious Text as History</b> - Course treats religious texts as a historical document and provides an overview of significant historic events related to or contained within the religious text. Course content may include geography, the relationship between cultures and belief systems chronicled in the text.										
		7-12	Description								
2615	Deleted										
			Deleted								
2621	Deleted										
			Deleted								
2631	Deleted										
			Deleted								

2632	Deleted		Deleted								
2635	Deleted		Deleted								
2641	Deleted		Deleted								
2642	Deleted		Deleted								





2705	<b>World History - Laboratory - Grades 6 - 12</b> - Course covers the same objectives as World History - Overview, World History - Laboratory courses are taught in a resource center or skills laboratory setting emphasizing individual student progress.	6-12									
2706	<b>World History and Geography – Required for Graduation - Grades 9 - 12</b> - Course covers the major eras and important turning points in world history from the Age of Enlightenment to the present. Included within this course is world geography to support geographical concepts as they relate to the understanding of the changes throughout the world. In addition 9-12 Social Studies Benchmarks and Performance Standards (History, Civics and Government, Economics and Geography) should be included as appropriate to the course.	9-12									
2707	<b>Modern World History - Grades 9 - 12</b> - Course provides an overview of the history of human society in the past few centuries-from the Renaissance period, or later, up to the contemporary period-exploring political, economic, social, religious, military, scientific, and cultural developments.	9-12									
2708	<b>IB History - Grades 9 - 12</b> - Course prepares students to take the International Baccalaureate History exams at either the Subsidiary or Higher level. These courses concern the study of political, military, economic, social, and cultural trends, and explore the nature of historical documentation and historians' methods. IB History courses survey 20th century topics in an international context; provide for a more detailed regional study of a major area (Africa, Europe, the Americas, West and South Asia, East and Southeast Asia, or Australia); and enable students to undertake an individual study on a subject of interest in greater detail and depth.	9-12	IB								



[illegible]





2721	<p><b>U.S. History-Comprehensive - Grades 6 - 12</b> - Course provides an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. Political, military, scientific, and social developments are typically included in the historical overview. Course content may or may not include a history of the North American peoples prior to European settlement.</p>	6-12								
2722	<p><b>U.S. History-Laboratory - Grades 6 - 12</b> - Course has the same objectives as U.S. History-Comprehensive courses, U.S. History-Laboratory courses are taught in a resource center or skills laboratory setting emphasizing individual student progress.</p>	6-12								
2723	<p><b>Early U.S. History - Grade 8</b> - Course examines the history of the United States from the periods of exploration and colonization through the Civil War and Reconstruction. Eighth grade Social Studies Performance Standards (History, Geography, Civics and Government, and Economics) should be included in this course.</p>	8								
2724	<p><b>Modern U.S. History - Grades 9 - 12</b> - Course examines the history of the United States from the Civil War or Reconstruction era (some courses begin at a later time period) through the present time. Political, military, scientific, and social developments are typically included as part of the historical overview. <i>NM 9-12 Social Studies Content Standards 1-8</i></p>	9-12								

2725	<p><b>AP U.S. History - Grades 11 - 12</b> - Course prepares students for the AP exam in U.S. history and provides students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. Students learn to assess historical materials, and to weigh the evidence and interpretations presented in historical scholarship. The course examines time periods from discovery and settlement of the New World through the recent past. (Note: Districts asking to meet the United States History/Geography course requirement through this course include geography within the written and delivered curriculum in order to meet state graduation requirement. Included within this course is U.S. Geography to support geographical concepts as they relate to the understanding of the development of the U.S.) This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	11-12	AP								
2726	<p><b>State Specific Studies - Grades 6 - 12</b> - Course examines the history, politics, economics, society, and/or cultures of one of the states in the United States. This course may focus primarily on the history of the state, or may take an interdisciplinary approach to the contemporary issues affecting the state.</p>	6-12									
2727	<p><b>U.S. Ethnic/Gender Studies - Grades 9 - 12</b> - Course examines the history, politics, economics, society, and/or culture of one or more of the racial ethnic groups in the United States or of gender in U.S. society. These courses may focus primarily on the history of the ethnic group or of gender relations, or may take a more comprehensive approach to the contemporary issues affecting these groups.</p>	9-12									
2728	<p><b>Elementary Social Studies Intervention (Elementary setting)</b></p>	K-6	Elementary								





2736	<p><b>AP U.S. Government and Politics - Grades 11 - 12</b> - Course prepares students for the AP exam in U.S. Government and Politics. These courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The course generally covers the following topics: constitutional underpinnings of U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	11-12	AP							
2737	<p><b>AP Comparative Government and Politics - Grades 11 - 12</b> - Course prepares students for the AP exam in Comparative Government and Politics, offering students a basic understanding of the world's diverse political structures and practices. The course encompasses the study both of specific countries (including Great Britain, France, the former Soviet Union, China, and either India, Mexico, or Nigeria), and of general concepts used to interpret the key political relationships found in virtually all-national polities. Course content generally includes sources of public authority and political power; the relationship between state and society; the relationships between citizens and states; political and institutional frameworks; political change; and the comparative method. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	11-12	AP							
2738	<p><b>Elementary Social Studies (Elementary setting)</b></p>	K-6	Elementary							
2738	<p><b>Elementary Social Studies (Elementary Setting) – Grades K-5 (may include 6-8 for Elementary Settings)</b> - This course covers applicable grade-level content in the New Mexico Social Studies Content Standards. All levels place an emphasis on patterns, principles, and influences on communities throughout the world.</p>	K-8								



[illegible]







2770	<p><b>Social Science - Grades 9 - 12</b> - Course provides an introduction to the various disciplines in the social sciences, including anthropology, economics, geography, history, political science, psychology, and sociology. Typically, the main course focus is on the methodologies of the social sciences and the differentiation among the various disciplines.</p>	9-12									
2771	<p><b>Psychology - Grades 9 - 12</b> - Course introduces students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.</p>	9-12									
2772	<p><b>Topics in Psychology - Grades 9 - 12</b> - Course examines a specific topic in psychology, such as human growth and development or personality, rather than providing a more comprehensive overview.</p>	9-12									
2773	<p><b>AP Psychology - Grades 11 - 12</b> - Course designed to parallel an introductory college level psychology course, AP Psychology courses introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, expose students to each of the major sub-fields within psychology, and enable students to examine the methods psychologists use in their science and practice. This course is intended to prepare students for the optional Advanced Placement Exam in this subject and should follow the published College Board guidelines.</p>	11-12		AP	Human Services						









2802	<p><b>Special Resources</b> - Course provides students with educational services and resources as needed. Reinforcement of any content area may be offered with the use of specific materials or teaching techniques through group instruction or individual tutorial assistance.</p>	K-12	Special Education								
2803	<p><b>Community Living</b> - Course places a special emphasis on the student's relationship to the surrounding community. Instruction varies with the students and their needs and IEP's; however, these courses provide the skills necessary for independent functioning within the surrounding environment. Course topics may include available community resources and how to access them; emergency skills; and independent living strategies.</p>	K-12	Special Education								
2804	<p><b>Mobility Instruction</b> - Course, individualized according to each student's condition and needs, are designed to improve a student's ability to move about and communicate within their surrounding communities (school, neighborhood, workplace, and city or town). The student may be exposed to and assisted in several types of situation to improve the student's mobility and increase the available response options.</p>	K-12	Special Education								
2805	<p><b>Communication Instruction</b> - Course, like Mobility Instruction courses, are typically individualized according to each student's condition and needs. Increasing the student's communication skills-oral expression, listening comprehension, reading, and writing-is emphasized; communication techniques in several areas (educational, social, and vocational) may be explored.</p>	K-12	Special Education								

2806	<b>Social Development Instruction</b> - Course teaches students the social skills needed for independent functioning within the community. Topics may include self-control, self-expression, obeying rules, decision making, appropriate situational behavior, and how to interact with others and maintain relationships. Students may develop independence, self-confidence, and self-reliance.	K-12	Special Education								
2807	<b>Transition</b> - Course designed for students who are in the process of moving from self-contained to mainstream education. Transition courses aim to ease that passage using tutoring, seminars on coping skills, personal counseling, and so on.	7-12	Special Education								
2808	<b>Work Study</b> - Course includes all work experience options described in IEP's. Work sites may be on or off campus and the work may result in stipends or wages.	7-12	Special Education								
2899	<b>Special Education – Other.</b>	K-12	Special Education								











3027	Individual Sports – Grades 7-12 - Course that provides instruction and development of skills in individual sports as selected by the local school.										
		7-12									
3099	Athletics - Recommended for Grades 7 - 12 – Other.										
		7-12									
0000	Kindergarten										
		K		Elementary							
0001	First Grade										
		1		Elementary							

0002	Second Grade										
		2		Elementary							
0003	Third Grade										
		3		Elementary							
0004	Fourth Grade										
		4		Elementary							
0005	Fifth Grade										
		5		Elementary							

0006	Sixth Grade - if taught in an elementary classroom setting	6	Elementary								
0007	Seventh Grade - if taught in an elementary classroom setting	7	Elementary								
0008	Eight Grade - if taught in an elementary classroom setting	8	Elementary								
0033	3 year old - Special Education	PreK	Special Education								

0034	Preschool - 3 & 4 year olds NOT special education										
		PreK		Preschool							
0035	<b>Preschool Non-Certified Teacher</b> (Only to be used for preschool students who are in a school district's Head Start or FACE (Family and Children Education) program. Not to be used for students who are in a NMPREK, Title I PreK or 3Y/4Y Special Ed. program due to licensing requirements.)										
		PreK		Preschool							
0044	4 year old - Special Education										
		PreK		Special Education							
0K3P	K-3 Plus										
		K-3		K3 Plus							