

CTE CORNER

JULY 2021

CTE BEST PRACTICES: NEW MEXICO CTE TEACHERS



TOP ROW (LEFT TO RIGHT): DOUG BYERS, KAY RUSSELL, ROLAND SOTO, ANNA BURNS
BOTTOM ROW (LEFT TO RIGHT): TERESA BUTCHER, RAY PALLARES, JENA NIX, RICK COLE

DIRECTOR'S MESSAGE



Happy summer, everyone! I hope you are all staying hydrated in this incredible heat. Whether you're traveling, participating in professional development, or simply relaxing with your family, I hope you're able to recharge as we prepare for the upcoming school year. I also hope you spend just a few minutes of your valuable time to read this newsletter. We expect it will help you prepare our CTE students for a valuable educational experience in 2021-2022. As always, thank you for what you do!

Elaine Perea, PhD

Director, College and Career Readiness Bureau

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It was difficult to imagine a year ago, but we finally reached the point we all have been looking forward to—a full reopening across New Mexico. While there's still some work to be done, it is certainly something worth celebrating. That's why this edition of the CTE Corner is dedicated to you—the educators. Below you will find a Q&A conversation that includes some of the state's best CTE teachers who reflect on the challenges of this last school year while looking forward to what can be done to provide a quality CTE education this coming school year. They also provided some great snapshots of how some of their students overcame obstacles in order to continue their CTE skill attainment.

How did this last school year go in your mind?

Teresa Butcher (Teacher of Mathematics and CTE, Laguna-Acoma High School): I think this year was a test of resilience; there were some peaks and a lot of valleys. The end felt a lot like running a marathon: most of us didn't "win." Rather, we crossed the finish line to say we're "stronger for it" and "glad we did it," but inwardly we're all just glad it's over.

Jena Nix (Tech Lab Teacher, Hobbs Freshman High School): The challenges I faced were mind games that I had to overcome. The challenge was not allowing yourself to feel defeated, but to constantly tell yourself that you are making a difference in the learning environment that you were placed in. The students were looking to us to see how we were going to handle this. But we were all so happy to be finally be together once in-person learning returned.

What did you learn during this difficult year?

Rick Cole (Teacher & Program Director, Century High School): I learned to trust God for wisdom and resourcefulness more than ever. I also learned to research and assemble "virtual" lessons on tool usage and safety on the Canvas platform. I learned to custom design lessons for students based on what tools and materials they had at their respective homes/apartment. I learned how to encourage students when they literally did not want to get out of bed in the morning to attend zoom class.

Teresa Butcher (Teacher of Mathematics and CTE, Laguna-Acoma High School): I learned to rethink education (its purpose, its function, and its relevance). I learned to be flexible, to be more empathetic, and to emphasize the truly important aspects of education, acknowledging that quality time with family is now a higher priority than ever before.

Do you have a short story about a student who found a love for CTE this year?

Ray Pallares (Agriculture Teacher, Hobbs High School): I have a 9th grader whose grades were down, but I told him that if he brought his grades up he could come in and weld. He is passing all of his core classes now.

Cody Carter (Agriculture Teacher, Hobbs High School): I had a senior who took a welding class

STORY CONTINUES ON NEXT PAGE

“I LEARNED TO BE RETHINK EDUCATION... I LEARNED TO BE FLEXIBLE, TO BE MORE EMPATHETIC, AND TO EMPHASIZE THE TRULY IMPORTANT ASPECTS OF EDUCATION...”

-TERESA BUTCHER, LAGUNA-ACOMA HIGH SCHOOL

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for the first time and shared how much he enjoyed learning to weld. Then, he helped his parents and grandparents build corrals and a barn on their property.

Janet Delgado (Culinary Teacher, Rio Grande High School): I have students who needed to go to work to support their families (in addition to attending school). They thanked me immensely for teaching them the safety and sanitation required to pass the food handler's tests so they could become employable. They stressed that they never really knew how much learning and material was involved in Culinary Arts. They were pleased they could contribute to their family's finances during the financially hard times of COVID-19.

Roland Soto (Business Teacher, Atrisco Heritage Academy): I had a senior who was planning on dropping out, but instead, he liked my class and decided to stay. The student found a love for business in my CTE class and worked hard and graduated early. Not only did this student graduate, but he did well in my class and all of his classes. The student also worked while in school and was promoted to an assistant manager position.

Kay Russell (Allied Health Instructor, Los Lunas High School): I had nine seniors who went to class on a different campus two evenings a week for spring semester to earn their certificate for nursing assisting. They had more dedication than any other class I have taught. They were allowed to do their clinical hours in our local long term care facility and three of them ended up applying for work there!

Rick Cole (Teacher & Program Director, Century High School): "Chris" is a student who has always disliked reading and math and still performed at an elementary school level in each of those disciplines as the school year began. But because he thoroughly enjoyed working with his hands, he envisioned a construction-related career in his future. He also realized that through my demonstrations, the presentations of guest speakers (virtual and in-person) and the necessity of completing assignments (reading instructions, task procedures, safety protocol and blueprint interpretation as well as calculating measurements, angles, area, volume, etc.) that reading and math mastery were essential to his career. Thus, he worked extra hard to master concepts in "Introduction to Construction Crafts" - a course in which he raised his grade from "F" to "A" - and did the same with a new-found passion in his language arts and math courses so that he not only passed those classes, he graduated from high school. His potential graduation was very much in doubt last August as he was behind in

credits and unmotivated. But his CTE experience was the spark he needed to become motivated to learn and succeed. He is now gainfully and happily employed doing landscaping construction in which he not only works with both hand tools and power tools, he also does masonry, carpentry and plumbing. The NCCER curriculum was integral to Chris finding a passion for learning and a purpose for life.

Will you be taking any professional learning this summer? If so, what is it and what are you hoping to learn?

Doug Byers (Teacher, Hobbs Freshman High School): I completed 24 hours of graduate coursework last year, this summer I plan to relax and achieve some personal goals.

Unna Valdez (CTE Teacher, Sandia High School): Yes, APS CTE PBL and Mathematics Integration. I hope to design a new PBL project.

Burton Fisher (Auto Shop Instructor, Bernalillo High School): Yes, OSHA Certification and Fork Lift certification.

Steven Milner (Film Teacher, Bernalillo High School): Yes, AVID training and curriculum development.

What are some new ideas you're hoping to put into place this next school year?

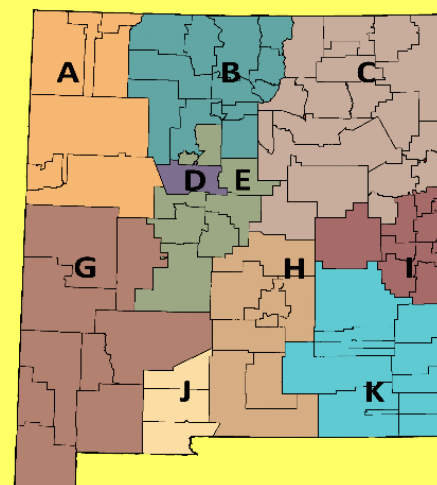
Jena Nix (Tech Lab Teacher, Hobbs Freshman High School): Shorten rotation times from 3 weeks to 2 weeks which will allow students to practice skills on more stations. Allow students to work alone to reach a higher level of accomplishment. Less emphasis on videos and more on the skills and tools needed for a career. Practice honing a skill for a career in the real world.

Teresa Butcher (Teacher of Mathematics and CTE, Laguna-Acoma High School): I am reading an amazing book right now, "Building Thinking in Mathematics Classrooms" by Peter Liljedahl. From this book, I am getting practical ideas for increasing the level of thought in my classroom. Two ideas I want to try immediately in August: 1) Introduce a thinking task each day in the first 5 minutes of class, and 2) Have students work through the thinking tasks on vertical non-permanent surfaces. I can't wait to see the students blossom!



REGION FOCUS

This month, we are highlighting Region K, which includes 12 school districts and five postsecondary institutions. Major employers include: Mosaic Company, Carlsbad Medical Center, Leprino Foods, Eastern New Mexico Medical Center, Pollard Bus Company, and Lea Regional Medical Center. The occupations with the largest projected growth include: Construction and Extraction (5,014 new jobs), Transportation and Material Moving (1,941), and Installation, Maintenance and Repair (1,216). The Region K CLNA Council established priority status for the following programs of study: 1) Skill trades that include oil and gas, mining/extractions, energy, and technical fields and 2) Healthcare.



UNDERSTANDING PERFORMANCE INDICATORS: 2S3

Performance indicators are the core indicators of performance set by the U.S. Department of Education, Office of Career, Technical, and Adult Education (OCTAE). The CCRB set Perkins V baseline percentages based on data from the last two years submitted by each district or postsecondary. To help you better understand performance indicators, we delve into one indicator each month. For July, we will cover **2S3: Secondary – Academic Achievement in Science**

Numerator: Students who in the Reporting Year were:

- Concentrators, and **received a performance level of proficient** on a Science proficiency test in 10th, 11th, or 12th grade
- If a student took the proficiency test more than 1 time the maximum performance level is used



Denominator: Students who in the Reporting Year (SY 19-20) were

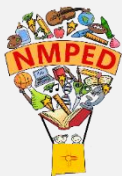
- Concentrators, and **took** a Science proficiency test in 10th, 11th, or 12th grade

State baseline: 30.8%	Multiracial: 56.9%
Male: 40.08%	Individuals with disabilities: 14.52%
Female: 28.78%	Individuals from economically disadvantaged families, including low-income youth and adults: 28.03%
African American: 26.88%	Individuals preparing for non-traditional fields: 34.17%
Asian: 58.82%	Single parent: 12.2%
Caucasian: 57.97%	English learners: 8.27%
Hawaiian Pacific Islander: 45.45%	Homeless individuals: 18.18%
Hispanic: 29.35%	Youth who are in, or have aged out of the foster care system: 20.0%
Native American: 9.56%	Youth with a parent who is an active duty member of the armed forces: 34.86%



PATHWAYS2CAREERS CURRICULA AVAILABLE!

The June and July Learning Summits for the Pathway2Careers(P2C) curricula filled up quickly, but teachers who are interested in implementing P2C can still get support and training. Just go to <https://www.careers2communities.com/p2c-implementation/> and click Get Started. Pathway2Careers is an exciting supplement for Algebra I and Geometry (coming soon: 8th Grade Math) that teaches every new math skill in the context of a different career. It's free, online, aligned to CCSS, and on the approved list for supplemental curriculum. For more information, contact John Gabaldon at 505-396-1992 or John.Gabaldon@state.nm.us.



SUMMER ENRICHMENT INTERNSHIP PROGRAM

We are excited to announce the [Summer Enrichment Internship Program](#) is off to a successful start. More than 1,500 high school students in 23 different counties, tribes, and pueblos across the state will be participating in high-quality, six-week internships by the end of the month. Thanks to nearly \$10 million in federal funding, high school students are earning an hourly wage for their work at various businesses, non-profits, and government entities in New Mexico. Adult coordinators, who are also receiving a competitive wage, are overseeing and training the interns on a weekly basis. Our team hopes to bring you an in-depth look at the program in our next newsletter!

ADVANCED PLACEMENT REMINDERS

- 1) Many Perkins-funded CTE programs of study include Advanced Placement courses as capstones. If you have students ready for AP classes that you do not offer on your campus, they may be eligible for tuition-free online AP courses. To learn more, contact Alexandra Lutz at 505-490-3648 or Alexandra.Lutz@state.nm.us.
- 2) The New Mexico Public Education Department (PED) will once again pay for all New Mexico public school 10th grade students to take the PSAT/NMSQT in October. Participation is voluntary for schools, but includes many benefits beyond simply predicting a student's SAT exam score:
 - Improved exam performance: When linked with Khan Academy, PSAT results can improve exam by providing students with customized exam prep based on their testing weaknesses.
 - AP Potential: PSAT results identify 23 Advanced Placement exams on which each student is likely to succeed.
 - Scholarships: 11th graders who test may qualify for multiple scholarship and/or recognition programs (including National Merit).

11th grade students who qualify for College Board fee waivers may take the PSAT/NMSQT for free (full-price 11th grade exams are \$18 each). For questions on fall PSAT/ NMSQT, please contact Alexandra Lutz at Alexandra.Lutz@state.nm.us or 505-490-3648.

NM STUDENTS BECOME TSA NATIONAL CHAMPIONS



Congratulations to Abby Escarzaga and Natashia Aspera for earning their National Championship in the 2021 Technology Student Association (TSA) National Conference! The Volcano Vista High School seniors earned first place in the Children's Story Book competition. As part of this event, students had to create and illustrate a children's story of high artistic, instructional, and social value. Their physical story book had to be of high quality and designed to reflect the theme for the year, which was the use of non-renewable energy resources with a focus on science, technology, engineering, and mathematics (STEM). [If you would like to view the entire storybook, click here.](#) Congratulations, Abby and Natashia!



NMACTE CALLING FOR PRESENTERS

Would you like to share your expertise and best practice with fellow professionals? The New Mexico Association for Career and Technical Education (NMACTE) is searching for presenters to its NMACTE Conference on September 8-10, 2021. The goal of the conference this year is to provide information on topics of interest to everyone involved with CTE. Organizers are looking for presenters in the following areas: Business & Industry Partnerships, Teaching & Learning, STEM, Assessing Performance, and Technology. If you are interested in sharing your knowledge by becoming a presenter for the NMACTE Conference, please email carol.mcalister@carlsbadschools.net. Applications must be submitted by August 6, 2021.



CARLSBAD STUDENT HIGHLIGHTED BY NMAA

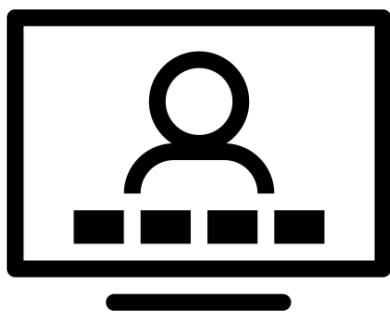
One of New Mexico's CTE students is in the spotlight after she was highlighted in a statewide article. [According to the New Mexico Activities Association's Student Spotlight](#), Carlsbad High School's Kandle Kitchens recently graduated after serving as the President of the New Mexico Business Professionals of America. During that time, she created a service campaign to show support for essential workers and created a "Light Up the Dark" campaign so members could continue to meet during the pandemic. Kandle also participated in the National Honor Society, her church's youth group, theatre, choir, and more. Kandle plans on attending Lubbock Christian University in the fall and plans to major in Digital Media Arts and Applications where she is interested in a possible career involving video production or digital design. Keep up the great work, Kandle!

PROFESSIONAL LEARNING OPPORTUNITIES

As we prepare for the upcoming school year, it's still not too late to consider learning something new, whether related to CTE or just something you've always wanted to learn. There are several websites that provide free or low cost learning opportunities, including the following:

- [Pathway2PD](#): Discover the power of labor market information with clear and concise video tutorials, printable guides, assessments to verify your knowledge, and completion certificates. This online professional development is provided by NMPED and NS4ed free of charge to you.
- [Digital Promise](#): With a wide variety of courses, educators can earn stackable micro-credentials.
- [edX](#): Founded by Harvard and MIT, edX is a global nonprofit that provides free, stackable learning experiences on a wide variety of topics.
- [Alison](#): Alison offers over 1,000 courses available across 9 distinct categories, all free to complete.
- [Coursera](#): Coursera gives access to audit hundreds of courses for free.

DATES & DEADLINES



You can stay up to date with deadlines and events on the [newly-developed PED calendar](#)! You can also learn more about the following events hosted by TeachCyber.org by [clicking here](#):

- July 6: TeachCyber.org's Why Cybersecurity Matters
- July 7: TeachCyber.org's Data Security
- July 8: TeachCyber.org's System Security
- July 9: TeachCyber.org's Security and Ubiquitous Connectivity
- July 26-30: TeachCyber.org's Teaching the Teach Cyber Curriculum

CCRB COACHES

- **Barbara Armijo, Region D**
 - Career Clusters: Education & Training, Human Services
 - Email: Barbara.Armijo@state.nm.us
 - Phone: 505-231-6519
- **Denise Ojeda, Region C**
 - Career Clusters: Architecture & Construction, Manufacturing
 - Email: Victoria.Ojeda@state.nm.us
 - Phone: 505-490-2160
- **Jaime Cherry, Region K**
 - Career Clusters: Information Technology, Computer Science
 - Email: Jaime.Cherry@state.nm.us
 - Phone: 505-469-6744
- **JoAnn Beuerle, Region I**
 - Career Clusters: Agriculture, Food & Natural Resources
 - Email: Joann.Beuerle@state.nm.us
 - Phone: 505-490-3512
- **John Gabaldon, Region H**
 - Career Clusters: STEM
 - Email: John.Gabaldon@state.nm.us
 - Phone: 505-396-1992
- **Rick Schmidt, Region B**
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 - Email: Rick.Schmidt@state.nm.us
 - Phone: 505-396-1257
- **Susan Chaudoir, PhD, Region G & J**
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 - Email: Susan.Chaudoir@state.nm.us
 - Phone: 505-827-6723
- **Veronica Sanders, Regions A & E**
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 - Email: Veronica.Sanders@state.nm.us
 - Phone: 505-660-2541
- **Louise Williams, Region G & J**
 - Career Clusters: Hospitality & Tourism, Arts, Audio/Visual Technology & Communications
 - Email: Louise.Williams@state.nm.us
 - Phone: 505-690-6577

DO YOU HAVE AN EVENT OR STORY YOU WOULD LIKE TO SHARE? REACH OUT TO OUR COMMUNICATIONS COORDINATOR, CHRISTIAN NARANJO, AT CHRISTIAN.NARANJO@STATE.NM.US OR BY PHONE AT 505-231-6236.

YOU CAN ALSO CHECK OUT PREVIOUS EDITIONS OF THE CTE CORNER HERE