

CTE CORNER

ISSUE 19 - AUGUST 2022



CTE CHAMPIONS Milo McMinn

Aztec Municipal District: Creating Relevant CTE Pathways by the Book

As the 2022-2023 school year begins, it is a good time to acknowledge the strides being made by students and the CTE programs that support and encourage career development. This month the newsletter focuses on how the Aztec Municipal School District is revamping, expanding, and improving its CTE program. Milo McMinn, the director of Career & Technical Education at Aztec, says the first step he took was to make sure students had opportunities to choose relevant pathways, based on the needs of the Four Corners community. Then, he made sure that a second and third (capstone) course in those pathways was also available.

The alignment of courses to the state-approved programs of study ensured that Aztec students would have the chance to not only concentrate on a career pathway but to complete one before they graduated.

"When it comes to courses and programs of study, we looked at the work that the NMPED has done with Dr. Joseph Goins (CEO of NS4ed, a leader in technology-based career and college education services) to really align our courses to high growth and high wage occupations for our students. So really, it's about aligning with those high growth high CTE pathways". He pointed to the website www.CareerPathways-NM.com for learning about the local labor market.

McMinn said that one of the most important improvements in their CTE program is having courses aligned to national career clusters, and to state and regional economic priorities. McMinn said this alignment has made it possible for students at Aztec to understand they can have a career by continuing to postsecondary education or with an industry credential that helps them start a career right out of high school. And, they don't have to leave the state to get the career of their dreams! Years ago, while working as a Data Coordinator at Farmington High School, McMinn said he learned to value CTE. He saw firsthand how CTE changed the lives of students. Later, he built a program at Central Consolidated's Bond Wilson Technical Center, an early college high school CTE academy in partnership with Navajo Technical University. Now, he is eager to share some of the challenges and the ultimate rewards of driving a successful CTE program at the high school level.

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MESSAGE FROM TEAM CCRB: BREEZY GUTIERREZ



Welcome to the CTE Corner! It's a new school year, and the College and Career Readiness Bureau is ready to assist you with any questions or concerns you may have about Career Technical Education (CTE) funding, graduation requirements, CTSOs, dual credit, and more.

Breezy is a career educator with 15 years of experience as an administrator, teacher, librarian, CTSO advisory, and volleyball coach in the Santa Rosa and Roswell school districts.

Her areas of concentration within the bureau include Careers2Community (C2C), Early College High Schools, Healthcare, Bioscience, and the BPA, HOSA, and DECA student organizations.

Please reach out to Breezy or any member of our [CCRB Staff](#) for questions about CTE programs, regional issues, or work-based learning, or to share successes or challenges. We are dedicated to you and your needs and are dedicated to transparency and an open-door policy.

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"I basically looked at all the other high schools and their enrollment and asked, which school districts are **really good** at getting students to be concentrators?," he said.

He found that because of their proximity to the border, schools in southern New Mexico such as Deming, Hobbs, and Carlsbad were much more familiar with "best practices" that used labor market data in the region to shape their CTE pathways.

Once he wrapped his mind around using labor market data to inform the course sequences, he realized that Aztec could create pathways that led toward a high-value career choice. By taking this approach, Aztec is seeing more students concentrating on a career pathway, and eventually completing a program. These students finish high school with a certification, work-based learning opportunity, and even college credits.

"With our capstone courses, we hope every kid that leaves Aztec high school as a CTE completer in at least one pathway. It's exciting because I think it gives kids a lot more opportunity to maybe really dive deep in something they're engaged in and they're interested in."

McMinn relayed a story about his youthful experiences in deciding his career pathway.

"I became a teacher because I went through a one-day job shadow where I did a ride along with a police officer in Farmington," he said. "I thought I wanted to be a cop. In the end, I said no, I don't want to do this. This is not for me. So then I ended up in a kindergarten classroom, I ran PE, I did reading time and I just fell in love with kids. That single ride-along experience changed my whole life trajectory." Now, he is an advocate for creating relevant experiences that help students discover their passion.

"I'm such a proponent of teachers teaching their passion because when a teacher's really passionate about something, it's contagious! Kids get excited."

One of McMinn's students was part of an externship over the summer that was available through Aztec's Perkins and NextGen funding. The student learned how to build bikes and eventually became involved in a STEM program called [Project bike Tech](#)." That has led to the program growing in Aztec, giving more students the chance to learn to repair bicycles, engineer parts and assemble a finished product for sale.

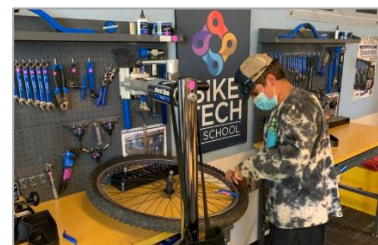
For McMinn, the hands-on approach brought an immediate sense of relevancy to why this job is important, not only to build bicycles but for all sorts of STEM careers.

"When teachers are passionate about what they're teaching, it's relevant to kids, and we're going to see successes in graduation rates," he said.

Do you have a CTE Success Story or Champion you would like to have featured in the monthly CTE Corner Newsletter? Reach out to Kevin O'Shea kevin.oshea@state.nm.us and we will work to incorporate your champion in an upcoming newsletter.



Milo McMinn grew up in Grants, NM, and graduated from Grants High School. Mr. McMinn then studied secondary education at New Mexico State University- Las Cruces. Mr. McMinn has 8 years of experience in teaching history at the high school level and was the department head at Kirtland Central High School before moving into administration. Mr. McMinn holds a Master's Degree in Curriculum and Instruction through NMSU.



COMPUTER SCIENCE VISION STATEMENT:

New Mexico guarantees a K-12 computer science education to ALL students, which provides the skills to participate as digital citizens and contribute to New Mexico's STEM economy.

COMPUTER SCIENCE MISSION STATEMENT

By 2026, the New Mexico Public Education Department will prioritize K-12 computer science education, to improve computational thinking, skills, and literacy.

Computer Science Endorsement

New Mexico teachers may qualify for the new 7-12 Computer Science (CS) endorsement. Multiple qualifying pathways are in place for teachers holding a secondary teaching license and who meet one of the criteria below:

1. Before January 1, 2025, completed 60 hours of professional development within the three years before applying for a computer science endorsement
2. Earn 15 postsecondary credit hours in computer science.
3. Pass the department-approved teacher licensure exam for computer science or an approved comparable license from another test.
4. Possess a minimum of 2 years of work experience in an industry related to computer science.
5. Possess an industry certification in a field related to computer science.

To apply for the CS endorsement, [click here](#). For more information, please contact Melissa.DeLaurentis@state.nm.us or call 505-490-3512.



2022-2023 IS THE YEAR OF MATH

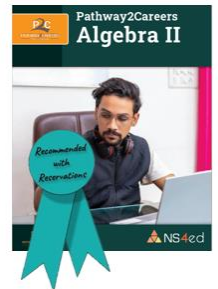
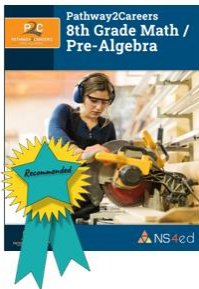
Superintendents, Charter School Directors, and Tribal Education Leaders

- The Public Education Department's College and Career Readiness Bureau is seeking participants for a year-long pilot study to determine the effectiveness of the **Pathway2Careers** content. Any educator using the content is invited to attend an introduction program to learn more about the study. The introduction is required for eventual participants in the study, but attending is not a commitment to join the study.

An introduction to the program will be offered on **Tuesday, Aug. 2, 4-5 p.m.**

[Click here to register.](#) Upon registration, you will receive a link to join.

[Pathway2Careers](#) teaches math skills in the context of high-value careers. More than 500 online lessons cover all core secondary math courses, searchable by standard, skill, or career. Pathway2Careers was created by NS4ed, an educational research and development company dedicated to negotiating education services. NS4ed's mission is to help all students attain successful futures through career exploration. This is achieved through providing effective, vested, engaging sole source solutions in customized labor market data, career exploration tools, and mathematics & career-connected learning curricula. [NS4ed](#) invests in quality measures to ensure its innovative solutions provide exceptional student experience, and comprehensive learning, and support best practices in teaching.



"**Pathway2Careers (P2C)** is a newly-developed set of math resources that present each new math concept in the context of a high-value career in New Mexico. Developed and paid for as part of a grant from the US Dept of Ed, P2C engages middle and high school students by connecting their schoolwork with their futures. Pathway2Careers is available for pre-Algebra/8th-grade math, Algebra I, Geometry, and Algebra II.



GROUP A

- Administer Beginning, Middle and End of Year Quantile assessments to measure student growth

\$90



GROUP B

- Administer Beginning, Middle and End of Year Quantile assessments
- Teach 3 or more P2C lessons most months
- Provide feedback

\$500



WHAT'S HAPPENING WITH AP?

College Board Counselor Workshops: The 2022 Counselor Workshops are occurring live and online from August 30 - September 15, 2022. Join College Board for program updates on SAT, PSAT, Advanced Placement, and BigFuture scholarships. You have the flexibility to choose a specialized workshop for new counselors or regional-focused workshops for experienced AP counselors. [Click here](#) to register.



Advanced Placement Canvas Course: The NMPED College and Career Readiness Bureau is now offering an asynchronous Advanced Placement Canvas course to provide resources and support. [Click here](#) to enroll in the New Mexico Advanced Placement Canvas course and get the latest AP updates. For more information, contact Melissa DeLaurentis at Melissa.DeLaurentis@state.nm.us or 505-490-3512.

All class of 2023 students are now eligible to win \$500 and \$40,000 scholarships they can use at two- or four-year institutions, *just by planning for college!*

Powered by College Board, **BigFuture simplifies the path to life after high school** by recommending small steps that all students—no matter their high school—can take at just the right time to explore career interests, identify potential majors, and find colleges and scholarships, and access financial aid. It rewards the effort students take by providing chances at scholarships.



Students can start by [clicking here:](#)

Strengthen Your College List



CAREER CLUSTER GUIDEBOOKS

The [New Mexico Career Clusters Guidebook](#) is a valuable resource to help guide students as they make important life and career decisions. The guide is designed to be a tool for planning and preparing students for a career. This comprehensive guidebook provides a structure for selecting careers. It links what they know about themselves with information about occupations and typical training requirements. Order your **FREE hard copies** [here](#). Access **PDF downloads** [here](#).

Career Clusters Guide - 16 Career Clusters, Career Pathways & Tools to help students discover where their interests and career clusters intersect. Whether you are a student or a career counselor, this guide can **help with career planning and preparing for the jobs of today and tomorrow**.

Having information about career options and the education needed to prepare for those careers is an important first step to becoming job ready. Use this guide to explore what jobs match your interests through the **career interest profiler**, learn about **in-demand careers in our state**, and find opportunities to **try out a career through work-based learning**.



In the Fall of 2020, and during the height of the Pandemic we released our much-anticipated **Career Cluster Guide, SPANISH edition**. Hard copies of this guide are available **FREE** to New Mexico Educators and staff. For more information, please contact Kevin O'Shea at 505-629-7705 or kevin.oshea@state.nm.us

Alternately, you can place an [online order here](#) and we will have copies delivered directly to you.

ANNOUNCEMENTS

Women's Equality Day is observed on August 26th to commemorate women's suffrage and equality in all spheres of life and society. Who are some strong women leaders in your life or in the workforce?

Share these resources:

- [Encourage your female students to get involved in CTE pathways/organizations](#)
- [Women in Construction](#) video
- [Women in the Trades](#) video
- [Top 7 STEM Programs for Girls](#)

College Fairs

[Rocky Mountain Association of College Admission Counseling](#)

- **Eastern New Mexico University, Physical Education Center**, 52B University Blvd, Roswell, NM 88203, Saturday, September 17, 2022 - 12 pm - 3:30 pm
- **Albuquerque Convention Center**, 401 2nd St NW, Albuquerque, NM 87102, Sunday, September 18, 2022, 12 pm - 3 pm

[National Association of College Admission Counseling](#)

- **Virtual College Fair** (hundreds of colleges and universities from the US and worldwide), Sunday, September 11, 2022, 11 am - 4 pm

Scholarships

- [Quest Bridge National College Match](#) application will open soon, and school counselors/teachers/advisors can refer high-achieving, low-income students
- [The Gates Scholarship](#) - Available: July 15, Deadline: September 15
- [The University of New Mexico's Combined BA/MD Program](#) Available: August 1, Deadline: November 3rd at 5 pm
- Although main admissions at UNM is remaining test-optional, the BA/MD program will require test scores this year for the BA/MD application. Minimum test score requirements below.

Subject	ACT	SAT
Math	22	540
Reading	19	510
English	19	N/A
Science	19	N/A

College Applications

- **UNM's** application is available for the fall 2023 term - students can apply for FREE until October 15th

IN THE NEWS



CNM welding team wins gold in national competition

Congratulations to CNM's welding team; Christopher Rodriguez, Walter Armijo, and Zane Horton. The three Central New Mexico Community College students took home gold in the Welding Fabrication Team category at the SkillsUSA Championships in Atlanta, Georgia, in June.

[Read more here](#)

EDUCATORS RISING
NEW MEXICO

CONGRATULATIONS TO OUR NEW MEXICO NATIONAL WINNERS!

1st Place Winner
Lesson Planning & Delivery-Arts
Isabelle Grace Reeves
V. Sue Cleveland

Top 10 Semi-Finalists

10 th	CHILDREN'S LITERATURE PRE-K SAMANTHA BALTZ - RIO RANCHO	7 th	IMPROMPTU SPEAKING MARCELLA EAGLETAIL - V. SUE CLEVELAND
6 th	CHILDREN'S LITERATURE K-3 CHALEE MERAYO - GRANTS	9 th	IMPROMPTU SPEAKING HAILEY WITZIG - ALAMOGORDO
5 th	CREATIVE LECTURE ELENA WILLIAMSON - LOST LUNAS	5 th	LESSON PLANNING & DELIVERY-STEM AMOREENA LACOUR - RIO RANCHO
5 th	EDRISING MOMENT DANLEY RUIZ - RIO RANCHO		

SHAPING THE FUTURE
EDUCATORS RISING
2022 NATIONAL CONFERENCE

Equitable Access to Careers for All Students

NS4ed - Equity in the workplace starts with equitable education that leads to occupations that offer fair treatment in access, opportunity, and advancement for everyone. The best way to find out if our students have equitable access for their futures is to look at the current labor market.

Acknowledging the inequities and understanding the reasoning behind them are the first steps in creating a more equitable labor market. [Read more here](#)

The National External Diploma Program (NEDP) has been authorized as an adult diploma pathway in New Mexico!

The program provides adults anywhere in our state an alternative to the existing high school equivalency pathways (GED and HiSET) by using a portfolio approach to demonstrate proficiencies in core academic high school competency.

Take a look at their website here: [National External Diploma Program \(NEDP\) \(casas.org\)](https://casas.org). You can contact Amber Romero at Adult.Education@state.nm.us for more information.

CCRB STAFF ANNOUNCEMENTS

Welcome to **Rebecca Galves** as our newest Education Administrator and **Angelica Delgadillo, MA** as School Counselor Liaison for the CCRB.

Rebecca (Becca) comes to the CCRB with 20 years of educational experience with NMSU. From Director of Academic Services to Computer Science Education and Outreach, and even Director of Alumni Relations, Becca is excited to join the PED as a CTE Coach and Education Administrator. Becca did her undergrad at Colgate University and completed her MBA at NMSU. For the past two decades, Becca has led incredible teams at NMSU that created educational and development programs targeting underserved and underrepresented populations. Becca served on teams to develop educational pathways that led to increased graduation rates, certificate achievement, 2-year, and 4-year enrollment, and improved retention. Establishing partnerships with educators and faculty across NM, business owners, community leaders, administrators, and elected leaders at every level has been key to accomplishing her goals.

Angelica spent the last nine years with Albuquerque Public Schools - eight of those as a College & Career Readiness Counselor and one in the traditional school counselor role. She has been on the Rocky Mountain Association of College Admission Executive Board as the Communications Chair, as well as on College Board Committees, which include the Counselor Advisory Group, Governance & Membership Committee, and the Counseling & Admission Assembly Council. She looks forward to collaborating with the amazing school counselors throughout the state, as well as stakeholders, to bring awareness to various college and career readiness topics.

Aligning Course Codes

CCRB coaches are available to assist your team in aligning the secondary CTE-approved programs of study courses in your district. Perkins V provides an opportunity to strengthen CTE programs across the state. Approved programs of study are used to count students who concentrate in and complete secondary CTE programs, and to ensure consistent CTE data quality in all districts. Please contact your regional coach for more information. [CCRB Coaches](#) (See staff on next page)



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Program of Study: Agriculture
CTSO: FFA



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CTE Regions G
Initiatives: Climate Change
Programs of Study: Film, Outdoor Recreation
CTSO: FCCLA



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CTE Region K
Initiatives: Advanced Placement
Programs of Study: Information Technology, Cybersecurity, Aeronautics
CTSO: Computer Science Alliance



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CTE Region I
Initiatives: Careers2Community, Early College High Schools
Programs of Study: Healthcare, Bioscience
CTSO: BPA, HOSA



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CTE Regions: C, E
Initiatives: Certifications
Programs of Study: Architecture, Construction, Manufacturing, Transportation
CTSO: SkillsUSA



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CTE Region: B
Initiatives: Office for Civil Rights/Federal Compliance
Programs of Study: Law, Security
CTSO: CTLP



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CTE Region: A, B
Programs of Study: Global Trade, Business, Entrepreneurship, Finance, Marketing, Government
CTSOs: BPA, DECA



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CTE Region G



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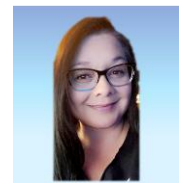
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Initiatives: Newsletter, Career Cluster Guide



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Initiatives: Dual Credit, Graduation Requirements



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