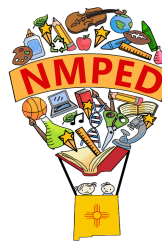


CTE CORNER

August 2024



ISSUE 34

COLLEGE AND CAREER
READINESS BUREAU

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Students from Capital High School Computer Science Club - Barbara Teterycz.

CTE Champion: Capital High School Computer Science Club

At Capital High School in Santa Fe, an impressive example of how CTE can help students become highly skilled, solution-oriented, and prepared for a successful life after high school can be seen in their Computer Science Club, where students have developed an industry-level device that may assist in preventing school shootings.

The project, nicknamed SCOOBY, is the result of about four years of exploration, skill development, and experimentation. It began with Dave Ritter, computer science expert and mentor, and Barbara Teterycz, computer science teacher and club sponsor, who had an idea for an air quality tester inspired by their seasonal allergies. This device was nicknamed SNOOPY, and when Ritter discovered that it detected wildfires that were occurring at the time, they began calling it SMOKY. These projects developed further with the help of students, eventually forming the basis for SCOOBY.

After the 2022 school shooting in Uvalde, TX, students who had recently joined the club were shaken by reports that police couldn't determine where inside the school the sound of gunshots was coming from, which led to delays in stopping the shooter. This inspired the students to work on a solution. The Computer Science Club began learning how to set up circuit boards and test sound detection with directional microphones by popping balloons.

Ritter said he was initially concerned that the grad-school-level project could be too much for the students, but they pushed forward with no problem. "The kids took the initiative," he says, "when they started to show the project in front of professional judges, they sounded like they had been doing *TED Talks* for 10 years." *Continued on page 2.*

Table of Contents

1-2. CTE Champion

2. CTE in the News

3-5. Events & Resources

6. Scholarships & more

7. CCRB Staff



Team CCRB Profile
Teresa Flowers
Education
Administrator

Teresa serves as one of two education administrators for Region D. She grew up in Oakland, CA, and became a pharmacy technician after high school. In 2003, she joined the U.S Army and served active duty for a little over 6 years. Teresa graduated with a Bachelor of Science in human services from Wayland Baptist University. She also holds a master's degree in leadership as well as an MBA from Grand Canyon University.

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Tetrycz took students Edward Scott, Craig Andree Abajo, Jesse Burch, and Haize Christansen to the Congressional App Challenge at the Capitol Building in Washington D.C in January. This trip was partially supported by Perkins funding administered by the College and Career Readiness Bureau. The event featured several U.S. representatives, including New Mexico's own Teresa Leger Fernandez, who judged district-specific challenges and selected winners. The SCOOBY team won the challenge for New Mexico's Third District and met with Rep. Leger Fernandez.

Tetrycz and Ritter say that this accomplishment has been a testament to the students' hard work and the value of their CTE education, as well as helped them to feel positive about their futures and possible career paths. "In New Mexico, there is a large technical bias towards the labs, but that is a very small subset of what tech is all about," Ritter says. "No matter what you do in the tech world, knowing how to set up circuit boards is a really big deal... and can be a career in itself."

Zachariah Burch, a former club member who recently graduated, said that participation in the club spurred an interest in electrical engineering; he is now studying electrical engineering at the University of Portland. Raul Alvarado, the club's current student leader, also said that the club inspired him to pursue a degree in computer science after high school. Students will also be working on further improvements to the project this school year.

The success of the SCOOBY project shows how CTE programs and hands-on education have the power to shape students' futures and empower them to solve real-world problems. To learn more about Capital High School, visit their website [here](#).

CTE in the News

[Math ends the education careers of thousands of community college students. A few schools are trying something new \(OR\)](#)

(Steven Yoder, *The Hechinger Report*) - Math is a giant hurdle for most community college students pursuing welding and other career and technical degrees...Linn-Benton [Community College]'s administration looked at their data and found that many students in [CTE] were getting most of the way toward a degree but were stopped by a math course...The college asked the math department to design courses tailored to those students, starting with its welding, culinary arts and criminal justice programs.

[Schools Give Students a Career Head Start with Help Desk Opportunities \(NM, NY\)](#)

(Tara E. Buck, *EdTech*) - While not a new solution, student-run help desks offer valuable opportunities to gain the highly sought-after skills and experience that prepare graduates to join the technology workforce or go on to earn higher degrees in these in-demand fields.

[CTE summer camp provides career path ideas for Richmond Co. students \(GA\)](#)

(Jimmy Potts, *Richmond County Daily Journal*) - The Richmond County School District Career and Technical Education Camp kicked off this week, giving hundreds of participating students hands-on lessons in a variety of topics. Meant to inspire a career path, throughout the next two weeks students have the opportunity to learn lessons in photography, criminal investigations, automotive, repair, firefighting and much more from specialists with a lengthy background in his or her perspective fields.

[Local charter school has creative plans in getting young people engaged in healthcare careers](#)

(Taylor Velazquez, *KUNM*) - New Mexicans seeking health care are facing increasing wait times for crucial appointments. According to a Legislative Finance Committee report, the state is in need of more health care workers than any other profession. While the state looks at loan forgiveness and recruitment and retention efforts, a local high school [Health Leadership High School] aims to raise the next generation of these professionals.

Open for Public Comment: Revised State Determined Performance Levels (SDPLs)

Attention: CTE Leaders and Partners

The United States Department of Education Office of Career, Technical, and Adult Education (OCTAE) reviewed the NM Perkins V State Plan 2024-2028 and provided feedback that led to revision of our State Determined Performance Levels (SDPLs). You can view complete details, simplified tables, and justification at the [College and Career Readiness website](#).

We invite you to submit feedback, comments, or questions about our revised SDPLs using [this form](#) until August 16, 2024.

Events & Resources



New Mexico ACTE Online Learning Center for CTE Professionals

CTE Learn's suite of free professional development resources, [linked here](#), are designed to support CTE professionals beyond the offered fee-based credit courses. CTE Learn also offers a student-centric resource, [CareerPrepped](#), to support your students' career development.

The PED is excited to announce that we're partnering with [MetaMetrics](#) to provide the [Lexile Framework for Reading](#) and the [Quantile Framework for Mathematics](#) to NM districts free of charge. Lexile and Quantile measures help personalize instruction, monitor growth and offer a parent-friendly metric to communicate student ability. Use Lexile and Quantile measures to find reading and math materials at a student's idea challenge level.



[Learn more here](#)

p2c PATHWAY 2 CAREERS

Explore more than 500 high quality online math lessons across all core secondary math courses in the context of high value careers, customized labor market data, career exploration tools and more.

[P2C.org](#)

High-Quality Professional Learning Marketplace List

The PED is providing the [High-Quality Professional Learning \(HQPL\) Marketplace List](#) as a guide and tool for teachers, schools, and districts to identify professional learning provider programs that support orientation and on-going implementation of high-quality instructional materials (HQIM).

Level Up Reading Challenge Returns for the 24-25 School Year

Click [here](#) to learn more about the challenge!

Also check out:

- [E-Blasts from the PED + Subscribe](#)
- [Weekly Storytime | Subscribe here](#)
- [PED RFPS, RFIS and RFAS](#)
- [Advance CTE - New Mexico State Profile](#)
- [Why I Work - DWS Simulation Budget Tool](#)



Career Technical Student Organizations (CTSOs)



Get Involved

NMCTSO Event Calendars

[BPA](#)

[SkillsUSA](#)

[HOSA](#)

[FFA](#)

[EdRising](#)

[DECA](#)

[FCCLA](#)

[TSA](#)

CTSO Canvas Courses

Learn how to advise CTSOs at your school with Canvas courses from NM PED!

[FCCLA](#) [EdRising](#) [HOSA](#) [DECA](#) [BPA](#) [SkillsUSA](#)



Explore Benefits of New Mexico's NCHSE Membership

The National Consortium for Health Science Education, the authority of health science education, provides collaborative relationships to enhance and positively impact the lives of students interested in health professions. New Mexico's state membership provides state health science educators access to discounted resources, certificates, and curriculum enhancements; networking opportunities with health science leaders nationwide, professional development opportunities, webinars, and more!

[Learn more about member benefits here](#)



Free Resources for NM Business & Marketing Teachers

New Mexico is an enhanced member of the Marketing and Business Administration (MBA) Research Consortium, which gives teachers statewide **free and at-cost** access to thousands of resources created for business, marketing, finance, management and entrepreneurship educators!



- **August 3** - Light A Fire for Learning Health Science Educators Association Webinar (NCHSE)
- **August 9** - First Statewide CTE Advisory Board Meeting - CNM Workforce Training Center (CCRB)
- **August 16** - Community Resource & Job Fair - Bernalillo (Department of Workforce Solutions)
- **August 21–22** - NM Workforce Conference (Department of Workforce Solutions) ([Register](#))
- **August 23–24** - CTSO Advisor Academy - CNM Workforce Training Center
- **August 31** - Deadline to submit Student Athletic Equity Act data report ([more info](#))
- **September 4** - NMACTE Social
- **September 9–10** - Assessment and Accountability Conference ([Register](#))
- **September 11** - Language & Culture Division State Programs Southeastern Region Meeting
- **September 10–12** - Data Quality Institute - Washington, D.C.
- **September 12** - Language & Culture Division State Programs Southern Region Meeting
- **September 17** - Language & Culture Division State Programs Northeastern Region Meeting

[CCRB Home & Calendar](#)

[CCRB Staff](#)

[Career Technical Education \(CTE\)](#)

[Advanced Placement \(AP\)](#)

[Dual Credit](#)

[Early College High School \(ECHS\)](#)

[Counselor Support](#)

[Graduation Requirements](#)

[Innovation Zones](#)

[Summer Enrichment Internship Program](#)

- **September 18** - Language & Culture Division State Programs Northwestern Region Meeting
- **September 18–20** - ACTE Postsecondary CTE Summit - Chicago, IL
- **October 15–18** - National Health Science Conference (NCHSE) - Phoenix, AZ
- **October 21–23** - Advance CTE Fall Meeting - Phoenix, AZ
- **October 21–23** - CTSO Fall Leadership Rallies
- **November 12–14** - Head to Toe Conference (DOH, PED, and Office of School and Adolescent Health)
- **December 4** - ACTE Vision Pre Conference Tours & Workshops ([Register](#)) - San Antonio, TX
- **December 4–7** - ACTE Vision ([Register](#)) - San Antonio, TX



MAKE YOUR VOICE HEARD -- ESSA Plan Revisions

The PED is undertaking a revision of our consolidated state plan under the Every Student Succeeds Act (ESSA) as one of the levers that the state agency will use to support a renewed vision and mission of education throughout New Mexico. As we begin to revise our ESSA state plan, we are soliciting active engagement and feedback. The sections currently out for public comment include:

- Title II, Part A (Supporting Effective Instruction)
- Title III, Part A (English Language Acquisition, Language Enhancement)
- Title IV, Part A (Student Support and Academic Enrichment Grants)
- Title IV, Part B (21st Century Community Learning Centers)
- Title VII, Part B (McKinney-Vento Homeless Assistance)

Please [click here](#) to learn more, review recommended updates, and provide feedback.

Questions? Contact Kenneth Stowe at kenneth.stowe@ped.nm.gov.

AIM Pathways to Proficient Reading: Secondary — Enrollment Opportunity

The Literacy and Humanities Bureau is issuing a call for early adopters to enroll in AIM Pathways to Proficient Reading: Secondary course for the 24-25 SY. This early adoption comes ahead of the upcoming requirement beginning in the 2025-26 SY for all grades 6-12 ELA/EDL/Special Education teachers, Interventionists, and Literacy Coaches to complete the course. This information was shared previously in the Superintendents, District and Charter Leaders, and Literacy Contacts in June.

Learn more [here](#). View the application and submit [here](#).

Reach NM — CYFD Advocacy Hotline

Reach NM offers a safe, highly accessible, peer support resource and supportive space for New Mexico youth to connect with an advocate to access the resources they need. Reach NM is a direct line to a trained CYFD Advocate who can direct youth and teens to resources, open a case to start an investigation or refer them to other agencies that can help. The text line is always anonymous unless the youth decides to offer his or her name.

Please share [this flyer](#) with your networks.

Help Develop a Science Vision for New Mexico

The State of New Mexico is working with BSCS Science Learning and NSTA to develop a shared vision for science education. We are asking parents, community members, teachers, leaders, and the public to give their views on science education so we can build a vision that matches the goals of New Mexico's residents. Please take [this anonymous survey](#) of less than 10 minutes asking about your experiences, feelings, and hopes for NM science education. We encourage you to forward this message and survey to others with an interest in science education.

We will provide a public summary of the responses to this survey in Fall 2024. Additionally, be on the lookout for community events this Fall where you can give input into this vision.

Thank you for sharing your hopes for science education in our state.



[Schools and Parents Begin Here](#)

Junior Achievement provides activities, guides, thought leadership and lots of additional resources to support learning.

[Presidential Cybersecurity Education Award](#)

This award is presented annually to one elementary and one secondary teacher who demonstrate superior achievement in instilling skills, knowledge, and passion with respect to cybersecurity and cybersecurity-related subjects. This award highlights the accomplishments of two teachers by providing recognition, such as: a certificate signed by the secretary, public recognition as a leader in the field of cybersecurity education, and participation in public events to improve cybersecurity education. **Nomination window: August 1 - September 13, 2024.** [Learn more here.](#)

[2024 Native Student Professional Development Program](#)

Calling Native college or graduate students in the natural sciences! The Wildlife Society (TWS) Native People's Wildlife Management Working Group (NPWMWG) has announced the 2024 Native Student Professional Development (NSPD) Program, where up to 10 individuals will be selected to attend The Wildlife Society's 31st Annual Conference. [Apply by August 18, 2024 here.](#)

[The Veterans of Foreign Wars Student and Teacher Awards](#)

The VFW is presenting the following opportunities for students and teachers:

- **Voice of Democracy Patriotic Audio Essay Competition:** Open to U.S. students in grades **9-12**, students compete by writing and recording an audio essay on an annual patriotic theme. This year's theme is, "Is America Today Our Forefathers' Vision?" **\$35,000** grand prize. The deadline to submit is **Oct. 31, 2024.**
- **Patriot's Pen Patriotic Written Essay Competition:** Open to U.S. students in grades **6-9**, students compete by writing essays expressing their views on an annual patriotic theme. This year's theme is, "My Voice in America's Democracy?" **\$5,000** grand prize. The deadline to submit is **Oct. 31, 2024.**
- **Smart/Maher VFW National Citizenship Education Teacher Award:** Includes \$1,000 Smart/Maher awards for each of the top K-5, 6-8, and 9-12 teachers for professional development expenses, \$1,000 award for each, winning teacher's school, commemorative plaques and an all-expense-paid trip to the VFW National Convention. The deadline to submit is **Oct. 31, 2024.**

[Find out more here.](#)

[Daniels Fund Scholarship Program](#)

The Daniels Scholarship Program is open to students with great potential, big dreams, and values shared with those of the late Bill Daniels, known for his commitment to ethics and helping those in need. Open to graduating high school seniors in CO, NM, UT, or WY. Applications must be submitted through the website **between September 16 and October 18, 2024.** Learn more about eligibility and the application process [here.](#)



View scholarship opportunities from the University of New Mexico for undergraduate students [here.](#)



[Explore Financial Aid, Scholarships, and more \(NMHED\)](#)



[Click here for all things FAFSA \(NMFAFSA.org\)](#)

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- CTE Region: K
- Initiatives: Advanced Placement, Expanding Computing Education Pathways (ECEP), Innovation Zones
- Career Cluster: Information Technology
- Careers2Communit,Pathways2Careers



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- Initiatives: Work-Based Learning, Summer Enrichment Internship Program, Near Peer Tutoring Program, Innovation Zones



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- CTE Region: C
- Initiatives: Office for Civil Rights (OCR), Methods of Administration (MOA)
- Non-Trad Students, Special Population Groups
- CTSO: Educators Rising



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- CTE Region: D
- Initiatives: Near Peer Tutoring, Strengthening Data Use in Postsecondary CTE, Governor's Climate Taskforce
- Programs of Study: Film, Outdoor Recreation
- Career Cluster: Arts, A/V Technology and Communications



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- CTE Region: G
- Initiatives: Work Based Learning, Graduation Coursework Requirements, Graduation Course Waivers, Innovation Zones, CTSOs, Career Technical Leadership Project (CTLP)



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- CTE Region: D
- Initiatives: Innovation Zones
- CTSO: HOSA



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- CTE Region: J
- Initiatives: Dual Credit, Innovation Zones, Students Experiencing Homelessness



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- CTE Region: I
- Initiatives: Counselors, Innovation Zones



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- Initiatives: CTE Corner Newsletter, Career Cluster Guide



Denise Ojeda
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- Initiatives: Certifications, Next Gen Funded-Bureau of Indian Education (BIE), Innovation Zones, Skilled Trades
- Programs of Study: Architecture, Construction, Manufacturing, Transportation
- CTSO: SkillsUSA
- CTE Region: E



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- CTE Regions: B
- Initiatives: Early College High Schools, Innovation Zones
- Programs of Study: Marketing, Sales & Service
- CTSO: DECA



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- CTE Regions: A
- Initiatives: International Baccalaureate
- CTSO: FCCLA



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- Initiatives: Innovation Zones



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- CTE Regions: H
- Initiatives: Careers2Community, Innovation Zones

Please contact any member of our [CCRB Staff](#) for questions about CTE programs, Career Technical Education funding, graduation requirements, CTSOs, dual credit, work-based learning, or with any questions or concerns you may have about programs in your region.