

# CTE CORNER

NOVEMBER 2021

## CTE BEST PRACTICES: ROY MUNICIPAL SCHOOLS

## DIRECTOR'S MESSAGE



Oh! How time flies—this month's edition of the *CTE Corner* marks one year since our monthly newsletter made its return. We appreciate everyone who has contributed to and read the newsletter so far. On another note, we highly encourage all of our stakeholders (administrators, teachers, industry leaders, etc.) to participate in our upcoming CLNA (Comprehensive Local Needs Assessments) meetings over the next several months. You can learn more about the meetings later in the newsletter or reach out to your regional coach for more information. Keep up the amazing work!

Elaine Perea, PhD

Director, College and Career Readiness Bureau

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ROY MUNICIPAL SCHOOLS STUDENT LANE CLAVEL, LEFT, STANDS WITH HIS WORK-BASED LEARNING MENTOR JUSTIN GARRISON, RIGHT, IN FRONT OF THE MOTOR CO.

You will not find much in Roy, New Mexico. The hearty town of 211 people boasts a grocery store, gas station, auto shop, magistrate court, and a school. That is basically it. But do not tell Roy Municipal Schools it is too small. In fact, the district is going above and beyond to offer Work-Based Learning opportunities to its students.

Lee Fluhman plays a variety of roles at Roy Municipal Schools including dean of students, special education director, preschool director, academic counselor, power school administrator, and bus driver. On top of all that, he has a passion for providing top notch Career Technical Education to his students.

"In education, we should be sitting down with students and their families," Fluhman said. "Of course, we should inform them about postsecondary options, but we should also be telling them about trade schools and giving them a chance to get certified during their time at school."

When he heard the school's lone senior— Lane Clavel— was searching for an internship for the 2021-22 school year, he got busy. Fluhman, Lane, and Lane's parents collaborated together over the summer to figure out what could be done. That is when Fluhman reached out to Justin Garrison, the owner of The Motor Co., a new auto shop in town.

Garrison said, "[Fluhman] called me in July and asked about Lane coming in as a paid intern. It made a lot of sense because one of my goals is to have kids learn about trades and get a little bit of experience so they know if that is what they are interested in. I simply wanted to give back to my community."

The gears were in motion—Lane would take part in a paid work-based learning opportunity by working two hours each weekday morning at the auto shop before attending class. Garrison is providing one-on-one attention to Lane, providing the training he needs to be successful. The owner even purchased an old car engine so Lane could learn how to tear it apart and put it back together. So far, the training has been fruitful for Lane.

"My internship is going great. I'm learning all kinds of new things. I can change brakes, fuel pumps, and electrical wiring. It has really opened my eyes to the world of auto mechanics. There's a lot more to it than people realize," Lane said.

While Lane is learning toward attending a four-year college for engineering or biology, he has not completely ruled out a career in auto mechanics. Either way, he believes his paid internship will pay dividends, no matter what career pathway he takes.

"Even though I might stick to a career outside of auto mechanics, it helps me learn more about it," he said. "It teaches you how moving parts work together and helps me with the mechanical part of my brain. It helps me problem solve. Plus, it's providing me skills that will allow me to always find a job in auto mechanics if I need it."

When asked if Garrison would welcome other paid interns in the future, he didn't hesitate.

"Oh absolutely. Eventually, I would love for a student to intern here, go to school, and then

STORY CONTINUES ON NEXT PAGE



## Roy Municipal School

Lead. Achieve. Succeed.

**“[THE INTERNSHIP] TEACHES YOU HOW MOVING PARTS WORK TOGETHER AND HELPS ME WITH THE MECHANICAL PART OF MY BRAIN. IT HELPS ME PROBLEM SOLVE.”**

**-LANE CLAVEL, ROY MUNICIPAL SCHOOLS STUDENT**

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come back to Roy to work for us. The plan is to continue this Work-Based Learning program so someone can work in our community. I can't do this forever by myself," Garrison said.

As for Roy Municipal Schools, Fluhman believes it's important for the district to align its offerings with postsecondary programs. The school works with Clovis Community College and Mesa Lands Community College in Tucumcari when students are ready for dual

credit classes. Collaborating with industry for work-based learning opportunities has been the cherry on top.

"My advice is that it doesn't hurt to go out and ask businesses about work-based learning opportunities," Fluhman said. "Of course they could always might say no. But even if they do, there's so many other opportunities with today's technology. Don't be afraid to put yourself out there to help our kids."



### CAREER CLUSTER FOCUS: TRANSPORTATION, DISTRIBUTION & LOGISTICS

Each month, we are highlighting one of the 16 different career clusters. This month, we focus on Transportation, Distribution & Logistics, an important career cluster that keeps New Mexico's economy, people, and products moving.

- **Most annual average openings:**
  - Heavy and Tractor-Trailer Truck Drivers (1,510 jobs)
  - Automotive Service Technicians and Mechanics (499 jobs)
  - Bus and Truck Mechanics & Diesel Engine Specialists (171 jobs)
- **Highest median annual wage jobs:**
  - Air Traffic Controllers (\$109,290)
  - Transportation Storage and Distribution Managers (\$83,570)
  - Logisticians (\$80,800)
- **Top jobs for middle education (Associate's degree, Associates certification):**
  - Air Traffic Controllers (\$66,730 entry annual wage)
  - Aircraft Mechanics and Service Technicians (\$38,460 entry annual wage)
  - Automotive Service Technicians and Mechanics (\$23,830 entry annual wage)

You can find more information on core skills, pathways, certifications, and more by reading our [Career Cluster Guide Book](#). You can view the digital version or order FREE physical books your classroom.

## CLNA MEETINGS UPDATE

The College and Career Readiness Bureau is beginning to facilitate virtual regional meetings, in preparation for the formal Comprehensive Local Needs Assessments that are required every two years (as a condition for receiving Perkins CTE funding). Small groups of stakeholders will be discussing program performance over the last two years and ideas for continuous improvement. We anticipate that each region will have an in-person convening (depending on the status of the health orders) before the CTE application process begins, so that all stakeholders have an opportunity to discuss programs and funding priorities. A formal process will be released soon so that regions can request consideration for changing their established economic priorities. Any requested changes must be coordinated with regional workforce boards, as the state's WIOA plans now reflect the regional priorities that were established during the last CLNA process. For questions, please contact your regional coach (info at the end of this newsletter).

## CAREER-FOCUSED MATH CURRICULUM NOW AVAILABLE



Pathways2Careers math courses are complete! This free, career-focused core math content is now available on the P2C platform, giving teachers access in one place to:

- Complete courses in 8<sup>th</sup> Grade Math, Algebra I, and Geometry, with hundreds of lessons (Algebra II is under development, with new lessons added weekly)
- Interactive digital content for your students in their own accounts, with online grading
- Downloadable pdf content (identical to digital lessons) for sharing on your teacher page
- Beginning, Middle and End of Year assessments to measure growth and differentiate instruction
- Complete student and teacher editions
- Searchable table of contents that allows you to look up the exact standard, skill, keyword or career you need to teach
- Textbook crosswalk enables you to reference your existing curriculum and find the aligned P2C lesson to supplement
- Career exploration resources for use in any course or classroom

Bring Pathway2Careers into your classroom by completing our [Get Started form](#). Free technical assistance and professional learning are also available for groups or individuals. Contact [John.Gabaldon@state.nm.us](mailto:John.Gabaldon@state.nm.us) or 505-396-1992 for more information.

## UNDERSTANDING PERFORMANCE INDICATORS: 5S1

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 November, we will cover **5S1: Program Quality (Recognized Credentials)**

**Numerator:** Number of CTE Concentrators who graduated in the reporting year and earned a state-recognized CTE credential. [For a complete list of recognized CTE credentials, click here.](#)



**Denominator:** Number of CTE concentrators who graduated in the reporting year.

<b>State 19-20: 17.0%</b>	Multiracial: 10.17%
Male: 15.54%	Individuals with disabilities: 13.83%
Female: 18.76%	Individuals from economically disadvantaged families: 17.52%
African American: 17.39%	Individuals preparing for non-traditional fields: 21%
Asian: 9.43%	Single parent: 18.52%
Caucasian: 12.75%	English learners: 15.15%
Hawaiian Pacific Islander: 18.18%	Homeless individuals: 13.07%
Hispanic: 19.83%	Youth who are in, or have aged out of, the foster care system: 6.67%
Native American: 10.65%	Youth with a parent who is active duty member of armed forces: 13.08%

## THINKING ABOUT EQUITY IN CTE PROGRAMMING

Program Quality Indicators 5S1 through 5S4 are designed to measure the quality of CTE experiences for our CTE concentrators. According to statewide STARS data, only 17% of CTE concentrators who graduated in spring 2020 earned an industry-recognized credential. What does credential attainment look like in your district? How about in your CTE region? Even if these performance rates are higher than the state's rate, are you satisfied with the achievement level for your graduating concentrators? If credentials are an important part of your CTE programming, what are the root causes for low performance on this indicator?

As you can see, we have significant gaps for 5S1 credential attainment in some subpopulations, especially Native American youth and youth in foster care. As a state, what might we do to specifically support these subpopulations in earning CTE credentials?

How is your subpopulation data? As you look at percentages, it is important to also consider the size of the group. In small demographic groups, large swings in percentages will be driven by a small number of students. Therefore, if you have only a few concentrators in your district, the first thing to consider is how to get more concentrators, and if you have only a few concentrators earning credentials, the first thing to consider is how to get more credentials!

Thinking about both the overall performance rate and also the specific data for subpopulations can help as you strive to formulate a plan for continuous improvement. At CCRB, we are thinking about how to get our CTE concentrators more access and success in earning credentials, because we think 17% is much too low!

If you want to know more about performance data, please reach out to your regional coach!



### LCPS STUDENTS ENGAGE IN MARS MISSION

Students from Las Cruces Public Schools are garnering national attention for their out-of-this-world mission. [According to the Las Cruces Sun News](#), in September, the district's Challenger Learning Center resumed its face-to-face expeditions after a year and half online due to COVID-19. It allows Sierra Middle School students to sit inside a simulated Challenger spacecraft, participating in the immersive Expedition Mars in the year of 2076. "They don't say science is boring so much anymore," said Luis Torres, a sixth-grade teacher. The unique learning opportunity captured national eyes as it was shown in ACTE's STEM Smart Brief newsletter in October. Way to go, Las Cruces Public Schools!



### THE VALUE OF CTE FOR EMPLOYERS

Are you trying to communicate the importance of CTE to employers in your area? Thanks to Advanced CTE, you can provide them with a quick and easy resource that informs them of how CTE can benefit businesses. For example, the two-page resource points out numerous statistics including:

- 83% of employers, including 90% of respondents of color, agreed that hiring employees with CTE experience would improve their bottom line
- 84% of employers that reported it was "easy" to find qualified applicants had hired a candidate based on CTE experience compared to 67% that found it "difficult" to find qualified applicants

To view the free resource, [visit here](#).



# AP ADVANCED PLACEMENT REMINDERS

For all Advanced Placement courses underway this fall, the deadline to register for the corresponding AP exam is Monday, November 15 (11:59 p.m. ET). Full price exams are \$96 in 2022; however, students who qualify for federal lunch programs pay just \$3 per exam. Students who change their mind after this date will incur a \$40 penalty per exam, regardless of their fee waiver status. For information about AP Registration and Ordering, contact [Alexandra.Lutz@state.nm.us](mailto:Alexandra.Lutz@state.nm.us) or 505-490-3648.

*Two reasons to choose AP: CTE program of study capstones and improved college readiness*

While many schools choose Dual Credit or work-based learning as capstones for CTE programs of study, Advanced Placement courses are also appropriate. Currently, 25 approved course sequences include AP capstone options, allowing students to become CTE Completers through coursework available right on your campus. Contact your school's CCRB coach for more information about adding an AP course into your CTE program.

AP course and exam taking also improve college readiness. Students who earn a score of 3 or higher on an AP exam (on a 5-point scale) earn guaranteed college credit in New Mexico and at most colleges nationwide. However, even if students score a 1 or 2, they are more likely to earn qualifying scores on subsequent AP exams in the future, enroll in college after high school, and earn better grades in their post-secondary education.

If you'd like to introduce an AP course on your campus next year, professional development and coaching is available free of charge to all New Mexico educators. Online courses make AP accessible to all students (at no cost) when the course is not available at their own school. For more information, contact [Alexandra.Lutz@state.nm.us](mailto:Alexandra.Lutz@state.nm.us) or 505-490-3648.

## NATIONAL APPRENTICESHIP WEEK

National Apprenticeship Week is right around the corner and you can help celebrate. The U.S. Department of Labor set November 15-21 as National Apprenticeship Week. During this time, the department encourages everyone to host an event to recognize, promote and highlight apprenticeship programs. If you would like to know more yourself, we encourage you to check out the [Apprenticeship.gov](http://Apprenticeship.gov) webpage, which includes updated resources such as a fact sheet, mailer, and editable flyers. You can also register any events that you might be hosting on the webpage. Organizers also encourage everyone to use #NAW2021 across social media to promote the week. Meanwhile, check these apprenticeship statistics for New Mexico from FY19-20:

State	Active Apprentices	New Apprentices	Completers	Active Programs	New Programs
NM	2,364	837	233	38	22

Also, if you would like a full list of apprenticeships in New Mexico, [click here](#). For any questions regarding apprenticeships, contact CCRB Coach Denise Ojeda at [Victoria.Ojeda@state.nm.us](mailto:Victoria.Ojeda@state.nm.us).

## SAN JUAN SKILLS COMPETITION

Gear up for the 2021 San Juan College Skills Competition! The event will provide students with the opportunity to compete within one of the best auto training facilities in the country. It includes all eight ASE areas for either hands-on skill, written knowledge, or both. There also may be stations for service manual knowledge, tool identification, and component identification. The event takes place at the Automotive Shop at San Juan College in Farmington on Friday, November 19 from 9:00 a.m.-3:00 p.m. Space is limited so reservations will be taken on a first come first served basis. Please RSVP by November 1, 2021 at 505-566-3280 or [hyderp@sanjuancollege.edu](mailto:hyderp@sanjuancollege.edu).

## JOIN THE CLIMATE INNOVATION CHALLENGE

If you're looking for a unique STEM project for your students, look no further than the Climate Innovation Challenge! The competition challenges students to design unique strategies about how we can adapt to increasing climate impacts. After the design phase, students then create 2-4 minute films or videos to creatively showcase their designs. The challenge offers virtual classroom support throughout the school year to help teachers implement the program. Students will have an opportunity to earn scholarships and cash prizes. The program is 100% free. [To sign up, click here](#). If you have questions or would like to learn more, contact Phil Lucero at [phil@cavu.org](mailto:phil@cavu.org).

## PLTW GRANTS AVAILABLE

Project Lead the Way (PLTW) is offering a number of grants to help schools implement STEM including:

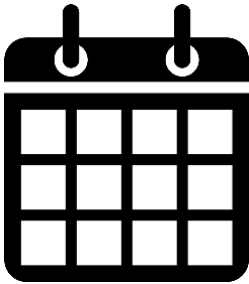
- PLTW Gateway (6-8<sup>th</sup> grades) - \$9,100 to cover the following:
  - 2021-22 and 2022-23 participation fees
  - Up to 6 online PLTW gateway core training registration fees
- PLTW Biomedical Science (9-12<sup>th</sup> grades) - \$14,000 to cover the following:
  - 2022-23 and 2023-24 participation fees
  - Up to 4 online PLTW biomedical science core training registration fees
- PLTW Computer Science (9-12<sup>th</sup> grades) - \$14,000 to cover the following:
  - 2022-23 and 2023-24 participation fees
  - Up to 4 online PLTW computer science core training registration fees
- PLTW Engineering (9-12<sup>th</sup> grades) - \$16,000 to cover the following:
  - 2022-23 and 2023-24 participation fees
  - Up to 4 online PLTW engineering core training registration fees

This is a rolling grant opportunity and awards will be made twice monthly. [To learn more about the grants or to start an application, click here.](#)

# DATES & DEADLINES

You can stay up to date with deadlines and events on the newly-developed PED calendar! To learn more about the following events, [click here](#):

- **November 3:** NMACTE Monthly Social
- **November 15:** Light A Spark Grant Deadline
- **November 15-21:** National Apprenticeship Week
- **November 18:** Early College High School Convening
- **November 25:** Happy Thanksgiving!



# SCHOLARSHIP OF THE MONTH

## Light A Spark Grant

- The American Welding Society Foundation is providing a turnkey package designed to introduce welding into existing CTE programs
- Up to seven starter packages valued at more than \$14,000 each will be awarded
- Eligible high schools must have space available and staff that are qualified or can be trained on the equipment (schools with existing welding programs are not eligible)
- Deadline: November 15, 2021
- [Apply here!](#)



## CCRB COACHES

- **Barbara Armijo, Region D**
  - Career Clusters: Education & Training, Human Services
  - Email: [Barbara.Armijo@state.nm.us](mailto:Barbara.Armijo@state.nm.us)
  - Phone: 505-231-6519
- **Breezy Gutierrez, Region I**
  - Career Clusters: Business Management & Administration, Marketing, Sales & Service, Government
  - Email: [Breezy.Gutierrez@state.nm.us](mailto:Breezy.Gutierrez@state.nm.us)
  - Phone: 505-231-5425
- **Denise Ojeda, Region C**
  - Career Clusters: Architecture & Construction, Manufacturing
  - Email: [Victoria.Ojeda@state.nm.us](mailto: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](mailto:Jaime.Cherry@state.nm.us)
  - Phone: 505-469-6744
- **JoAnn Beuerle**
  - Career Clusters: Agriculture, Food & Natural Resources
  - Email: [JoAnn.Beuerle@state.nm.us](mailto:JoAnn.Beuerle@state.nm.us)
  - Phone: 505-490-3512
- **John Gabaldon, Region H**
  - Career Clusters: STEM
  - Email: [John.Gabaldon@state.nm.us](mailto:John.Gabaldon@state.nm.us)
  - Phone: 505-396-1992
- **Rick Schmidt, Region B**
  - Career Clusters: Law, Public Safety, Corrections & Security, Transportation, Distribution & Logistics
  - Email: [Rick.Schmidt@state.nm.us](mailto:Rick.Schmidt@state.nm.us)
  - Phone: 505-396-1257
- **Susan Chaudoir, PhD, Region G & J**
  - Career Clusters: Hospitality & Tourism, Arts, Audio/Video Technology & Communications
  - Email: [Susan.Chaudoir@state.nm.us](mailto:Susan.Chaudoir@state.nm.us)
  - Phone: 505-827-6723
- **Veronica Sanders, Regions A & E**
  - Career Clusters: Health Science
  - Email: [Veronica.Sanders@state.nm.us](mailto: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](mailto: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](mailto:CHRISTIAN.NARANJO@STATE.NM.US) OR BY PHONE AT 505-231-6236.

YOU CAN ALSO CHECK OUT PREVIOUS EDITIONS OF [THE CTE CORNER HERE](#)