# College and Career Readiness Initiatives

Alexandra Lutz

**Breezy Gutierrez** 



## NMPED Mission and Vision

#### Vision

 Students in New Mexico are engaged in a culturally and linguistically responsive educational system that meets the social, emotional, and academic needs of ALL students.

#### **Mission**

 The New Mexico Public Education Department partners with educators, communities, and families to ensure that ALL students are healthy, secure in their identity, and holistically prepared for college, career, and life.























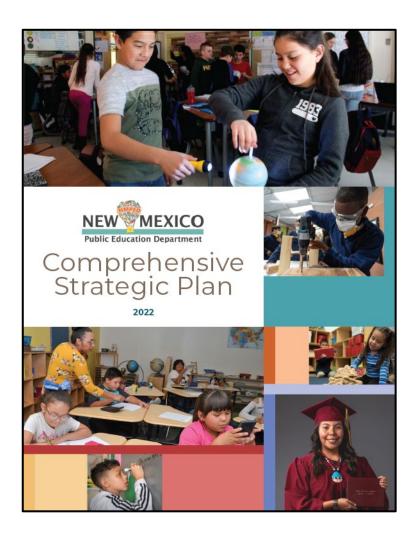




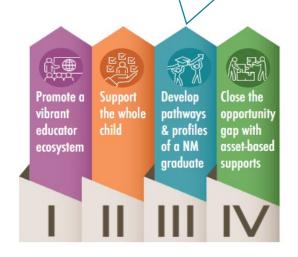




# **NMPED Strategic Plan**



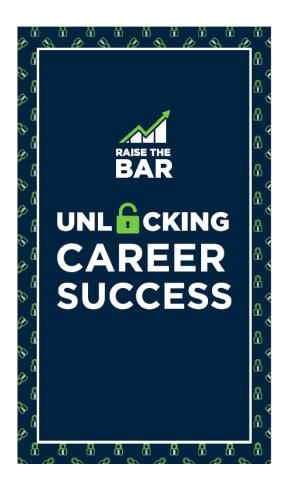
Overarching goal: "increase students' successful completion of high school with research-based, relevant, applied, and experiential learning opportunities that support all students to become college-and career-ready and contribute as productive members of their community."



Strategic Pillars of New Mexico Education



# **US Department of Education**







Administer diverse programs and resources such as college acceleration options and Career **Technical Education** 

> **CCRB** equitably supports access to college and career readiness for all students

Effectively flow state and federal funds to LEAs to support their implementation of highquality programs

































## Our vision for high school, aligned to NMPED and USDOE

Consult communities to broaden the definition of student success.



Reimagine the statewide system of support needed to achieve these broader outcomes.



Expand career tech education and work-based learning experiences.



Improve the culture of college and career support in high schools.



Refresh the high school experience to be more responsive to the needs of our modern society.

































# Our programs at a glance

- Career Technical Education
- Dual Credit
- Advanced Placement
- CTSOs
- Work-Based Learning
- Innovation Zones

- Graduation Requirements
- Careers2Communities
- Career Exploration
- Labor Market Information
- ECHS
- Counselor support

































## **Career Technical Education**

Career Technical Education (CTE) provides students with the academic and technical skills, knowledge and training necessary to succeed in future careers and in school.

It goes beyond traditional concepts of "Vocational Education" to include all 16 career clusters and makes academic content accessible to students by providing it in a hands-on context.

CCRB supports high-quality CTE programs of study that follow specific course sequences and lead students to acquire industry-sought credentials and a capstone course that bridges post-secondary education, including Dual Credit and Advanced Placement.



# Why CTE? It works!

GRADUATION RATES DISAGGREGATED BY SUBGROUP	2021 All students	2021 CTE concentrators
A11	76.6	97.6
Female	80.8	98.1
Male	72.3	97.1
African American	74.5	100
Hispanic	75.9	97.5
Asian	89.2	100
Economically Disadvantaged	72.3	97.0
Caucasian	80.1	98.5
Native American	71.4	95.5
English Language Learner	74.7	96.1
Students w Disabilities	67.9	96.7































# **CTE Grant Funding**

**Perkins** 

- Federal
- 100% must align to predetermined economic priorities
- Post-Sec eligible
- \$8.5m

Support CTE programs of study

**Entitlements** (not competitive)

**Priorities** determined in each of 10 regions

- State
- 50% must align to predetermined economic priorities
- Post-Sec NOT eligible
- \$4.0m

NextGen























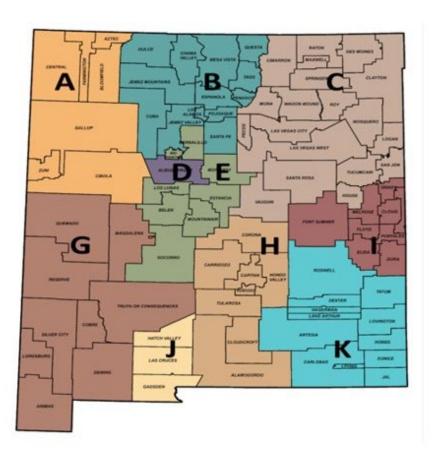








# Fundin Grant



Tegion	CTE Region Target Industries
Α	1. Healthcare
	Information Technology
	Intelligent Manufacturing
	(Entrepreneurship)
В	1. Healthcare
Court .	2. Skilled Trades
	3. STEM/IT-Computer Science
С	1. Agriculture, Food, and Natural Resources
	2. Skilled Construction Trades
D	1. Healthcare
88	2. Hospitality/Tourism
	3. Skilled Trades
	STEM/IT-Computer Science
	(Management/CTE Ed Prep)
F	Health Science
3000	2. IT/STEM
	Manufacturing
·	4. Skilled Trades
G	1. Healthcare
1000	Skilled trades, including alignment with
	Mining
	3. Education
н	1. Healthcare
108	Skilled Construction Trades
1	Agriculture
5.6	Manufacturing
	3. Technology
1	1. Healthcare
	2. Professional, Scientific, & Technical
	Services
	3. Skilled trades
	4. Education
K	1. Healthcare
	2. Skilled Trades





























# **CTE Grant Funding Workshop**



# January 11-12

8:00am - 4:00pm

**CNM Workforce Training Center** 



Agenda and Registration Link































## **Contacts for CTE**



Each region has an assigned CTE coach Scan the QR code for a complete list



Alexandra Lutz, Interim Director 1-505-490-3648

Alexandra.Lutz@ped.nm.gov

































## **Dual Credit**

- Dual Credit students take a college course while still enrolled in high school.
- Courses are taught by a college instructor, sometimes on the college campus and sometimes at the high school.
- Credit is earned at the participating college; transfer is sometimes possible.
- Dual Credit courses serve as capstones in all CTE programs of study.
- Dual Credit courses may have associated fees which may be paid through above-the-line funding.































## **Contact for Dual Credit**



Marc Duske, Special Projects Manager 1-505-490-7804

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## Advanced Placement

- AP students do college-level work in their own high school, and if they score a 3 or higher on the AP exam, they can earn college credit.
- All public colleges in New Mexico follow a standard, guaranteed AP credit policy, and the credit is transferrable to \*most colleges worldwide.
- AP courses serve as capstones in more than 30 CTE programs of study.
- Neither schools nor students pay fees for Advanced Placement courses.
- Students who qualify for federal lunch programs pay just \$3 to take an AP exam.

































# Advanced Placement (tuition-free online)

National Math & Science Initiative Rural Access Grant

New Mexico Public Education Department Scholarship































## **Advanced Placement**







































# **PSAT / NMSQT**

- Predicts student scores on SAT (College Board)
- Helps students prepare for SAT when connected to Khan Academy
- Measures knowledge and skills in reading, writing and math
- Help educators align instruction to student benchmarks
- Provides AP Potential for objective and equitable course placement and recruitment
- Fall exam free for 10<sup>th</sup> grade students (optional); free for 11<sup>th</sup> grade students who qualify for federal lunch programs.
- Allows 11<sup>th</sup> graders to qualify for National Merit and dozens of other scholarship and national recognition programs.



# **Contact for Advanced Placement / PSAT**



Melissa DeLaurentis, Advanced Placement Coordinator 1-505-490-3512

Melissa.DeLaurentis@ped.nm.gov

































## CTSOs and NMACTE















































## **Contact for CTSOs and NMACTE**



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Breezy.Gutierrez@ped.nm.gov

































# Work-Based Learning

































# **Work-based Learning**

### Near-Peer Tutoring

Paid work experience for students interested in becoming teachers. Near-peers provide tutoring services to younger students in their own school or district, generally during the school day.

## Summer Internships

Paid work experience through the summer months, administered through county and tribal governments. Tasks vary by county/tribe, including facilities management, health services, and clerking.

































# **Work-based Learning**



## Be Pro. Be Proud. Coordinated through DWS

- Virtual job exploration
- 15 Career Advisors
- Pre-Apprenticeships































# **Contacts for Work-based Learning**



Judy Cruz, Project Administrator 1-505-629-8120

Judith.Cruz@ped.nm.gov



Karla Melendez, Youth WBL Liaison 1-505-250-2668 karla.melendez@dws.nm.gov



Marc Duske, Special Projects Manager 1-505-490-7804

Marc.Duske@ped.nm.gov

































## **Innovation Zones**

Profile of a Graduate

Work-based Learning



Career Technical Education

Career Guidance































## **Contacts for Innovation Zones**



Luisa Bailey, Innovation Zones Administrator 1-505-690-6577

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Marc Duske, Special Projects Manager 1-505-490-7804

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# Graduation Requirements

Requirements are set by the Legislature. But CCRB can help with questions about...

- ✓ Changes in rule or statute
- Required coursework
- ✓ "Does this course count?" (such as fourth math credit)
- Demonstrations of competency
- Waivers































# **Contact for Grad Requirements**



Judy Cruz, Project Administrator 1-505-629-8120

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## Careers2Communities

C2C is a series of resources to help more students learn about and prepare for high-value careers, making school more relevant. Projects include:

- 1. Pathway2Careers (career-focused math curricula)
- 2. Quantile assessments
- 3. Career advisement tools
- 4. Career Exploration lesson plans
- 5. Community Voices videos
- 6. Online CTE pathway





































#### LESSON OBJECTIVE

 In this lesson, you will study how firefighters use similar triangles to estimate heights and distances where direct measurement may not be possible.

#### GEOMETRY CONCEPTS

- · Use similar triangles to solve indirect measurement problems.
- Solve indirect measurement problems with multi-step equations.

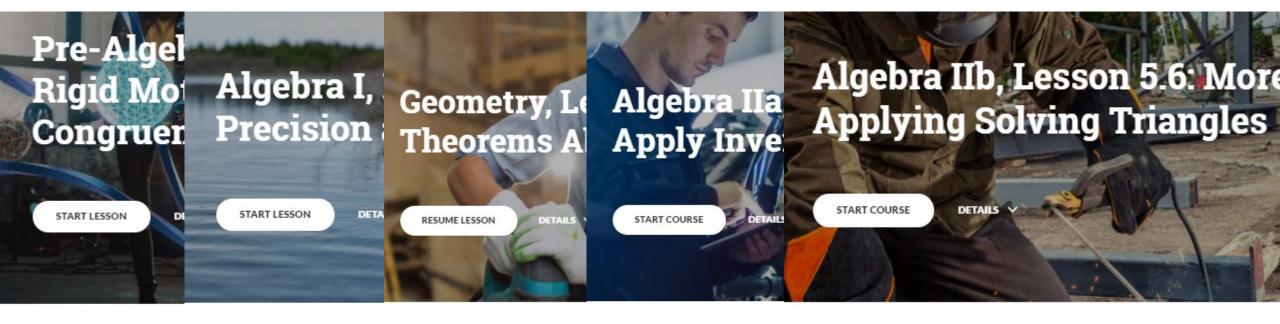














#### LESSON OBJECTIVE

. In this lesson, you wil rigid motion to create models.

#### GEOMETRY CONCEPTS

· Identify congruent fig



#### LESSON OBJECTIVE

. In this lesson, you will lo collects, records, and int and accuracy.

#### ALGEBRA CONCEPTS

Use significant digits.





#### LESSON OBJECTIVE

. In this lesson, you will look at angles to carpentry tasks such

#### GEOMETRY CONCEPTS

· Apply theorems about angles.

#### CAREER SPOTLIGHT



#### LESSON OBJECTIVE

In this lesson, you will:

· You will understand how a apply inverse matrices in c aircraft.

#### ALGREBRA II CONCEPTS

· Perform matrix operations



#### LESSON OBJECTIVE

. In this lesson, you will demonstrate how welders, cutters, solderers, and brazers might use right triangle trigonometry.

#### TRIGNOMETRY CONCEPTS

Solve right triangles.







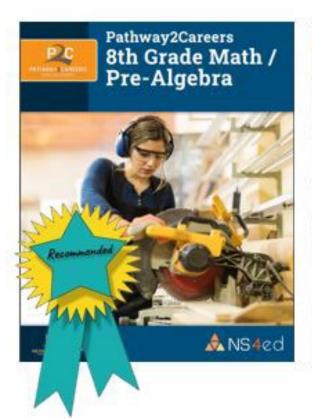


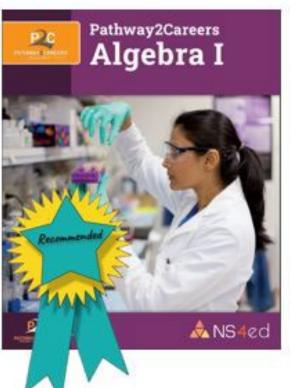


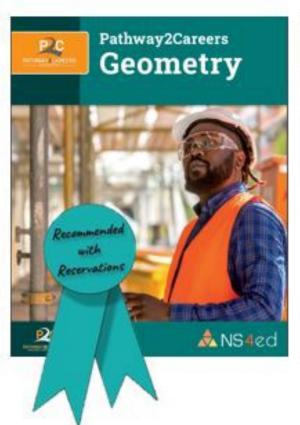


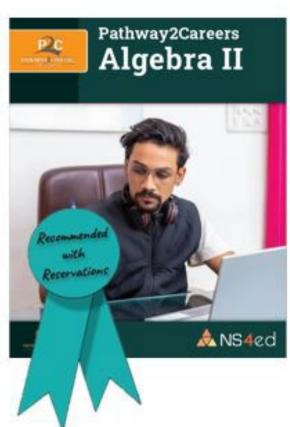


## P2C Math = High Quality Instructional Materials







































#### **Career Spotlight**

#### **Electronics Engineers**

#### What they do

Research, design, develop, or test electronic components and systems for commercial, industrial, military, or scientific use employing knowledge of electronic theory and materials properties. Design electronic circuits and components for use in fields such as telecommunications, aerospace guidance and propulsion control, acoustics, or instruments and controls.

#### Earnings

Low End Median High End \$69,210 \$107,540 \$167,410



Learn More

#### **Career Exploration**



Guide students in making informed career decisions with in-class activities. Students have automatic access to all the lesson materials.

View career lessons

#### **Classes**

View all >





Go to class

🚣 Alexandra Lutz 2nd pd - Geo



Go to class

PRE-ALGEBRA

Go to class

🚣 Alexandra Lutz 8th Grade Math











## **Career Exploration Lessons**

#### Guide students in making informed career decisions and building strong career pathways

The career exploration lessons are designed to be integrated into everyday learning alongside your core subject areas. The lessons are open in the platform for you and your students to access at anytime.

Lessons are best completed in class with other students. Each level corresponds roughly to grades 6-12 (i.e., Level 1 = Grade 6, Level 2 = Grade 7, etc.). Lessons can be delivered at any level that best supports student learning. Completion of lower levels is recommended, but not required.



- Personal Discovery
- Career Evaluation
- Career Awareness
- Career Preparation

You will also find lessons the extend beyond the core areas with additional activities that can support career success. These areas are listed below.

STEM

Personal Finance



#### **Table of Contents**

> Level 1

> Level 2

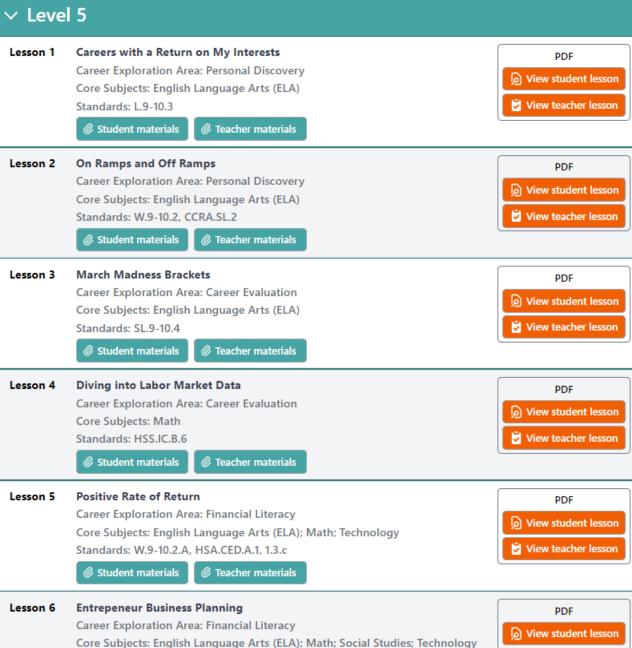
> Level 3

> Level 4

> Level 5

> Level 6





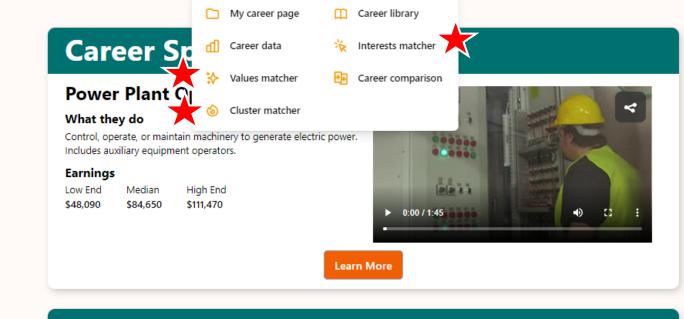
Standards: W.9-10.7, HSN.O.A.1, RH.9-10.4, 1.5.a

Student materials

Teacher materials

**▽** View teacher lesson





# **Career Exploration**



Guide students in making informed career decisions with in-class activities. Students have automatic access to all the lesson materials.

View career lessons

# **Classes**

View all >



Alexandra Lutz 2nd pd - Geo



















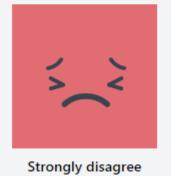


# **Interests Matcher**

0%

I would like to...

### **Build kitchen cabinets**

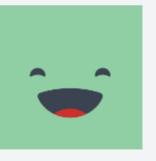




Disagree







It depends

Agree

Strongly agree































# **Values Matcher**

#### > Instructions

#### On my ideal job it is important that...

My pay would compare well with that of other workers.

5 cards left

**75%** (

#### Least important 1/4 placed

I could be busy all the time.

#### Less important 3/4 placed

I could give directions and instructions to others.

I could receive recognition for the work I do.

I have supervisors who train their workers well.

#### important 4/4 placed **⊘**

The work could give me a feeling of accomplishment.

The job would provide an opportunity for advancement.

I would be treated fairly by the company.

I could do things for other people.

#### More important 4/4 placed **⊘**

I could try out my own ideas.

I could make decisions on my own.

I could plan my work with little supervision.

I have supervisors who would back up their workers with management.

#### Most important 3/4 placed

I make use of my abilities.

I would never be pressured to do things that go against my sense of right and wrong.

My co-workers would be easy to get along with.















← Back to career library

Search all careers

Search

# Achievement, Relationships and Independence

Values search		
First value	Second value	Third value
Achievement (A)	Relationships (R)	Independence (I)
> Values key		
> My top values		
		Search

🌣 Helpful Hint: To see more occupations you can place your interests in a different order. If few or no occupations are displayed, try selecting only one or two interests.

Occupation Name	Values Code
Anesthesiologists	ARI
Area, Ethnic, and Cultural Studies Teachers, Postsecondary	ARI
Clergy	ARI
Coaches and Scouts	ARI
Commercial and Industrial Designers	ARI
Family and Consumer Sciences Teachers, Postsecondary	ARI
Floral Designers	ARI
Fundraisers	ARI
Loss Prevention Managers	ARI
Museum Technicians and Conservators	ARI







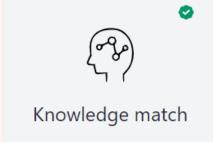




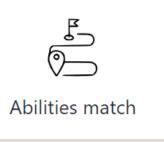


# **Cluster matcher**

Find clusters that match your knowledge, skills, and abilities







#### **Cluster matcher results**

My KSA results



Agriculture, Food & Natural Resources

38% Match

Knowledge 55% Skills 83% Abilities 0%



Architecture & Construction

27% Match

Knowledge 45% Skills 75% Abilities 0%



Arts, Audio/Video Technology & Communications

39% Match

Knowledge 50% Skills 100% Abilities 0%



Business Management & Administration

#### 54% Match

Knowledge 86% Skills 88% Abilities 0%























# **Cluster matcher**



# Knowledge

The following knowledge areas are important for successful job performance for occupations within various career clusters. Select the knowledge areas that you believe are or will be future strengths for you as you grow and learn.

0%

In thinking about my <u>current</u> and <u>future</u> strengths, I believe I <u>am</u> or <u>can</u> work toward being strong in my knowledge of...

#### **Customer and Personal Service**

Keeping people happy by helping them find things in a store or teaching them how to use something



#### **English Language**

Grammar, rules, spelling, and meaning of the English language



#### Administration and Management

Managing or directing others or a business through communication, organization, and leadership skills











































#### **Career data**

New Mexico	Region  Eastern	Northern
areer cluster		Central
Agriculture, Food	& Natural Resources ✓	
athway		Southwestern Eastern
All makkensense		Southwestern Eastern
All pathways	<b>▼</b>	
All pathways	•	
All pathways	•	
Use High-Va	· · · · · · · · · · · · · · · · · · ·	
Use High-Va	· · · · · · · · · · · · · · · · · · ·	
Use High-Va	alue Filters	



#### Career cluster: Agriculture, Food & Natural Resources

This cluster is focused on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products or resources.

Note: The data displayed in this tool comes directly from each state's labor market data site. Therefore, it may differ slightly from the data dispalyed in other areas within the P2C system. A complete list of state labor market data sites can be found here. For more information about data sources used within the P2C system, click here.

\*\*\* = Insufficient Data

Annual Openings	Median Wage	Growth Rate
15	\$41,340	5%
11	\$35,290	10%
8	\$35,680	8%
	Openings  15	Openings Wage  15 \$41,340  11 \$35,290



















Home Career Tools 

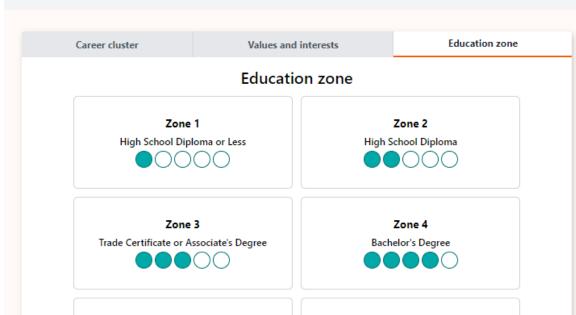
✓ Classes Assessments

#### Alexandr

# **Career library**

Explore careers to find jobs that match your interests and skill set





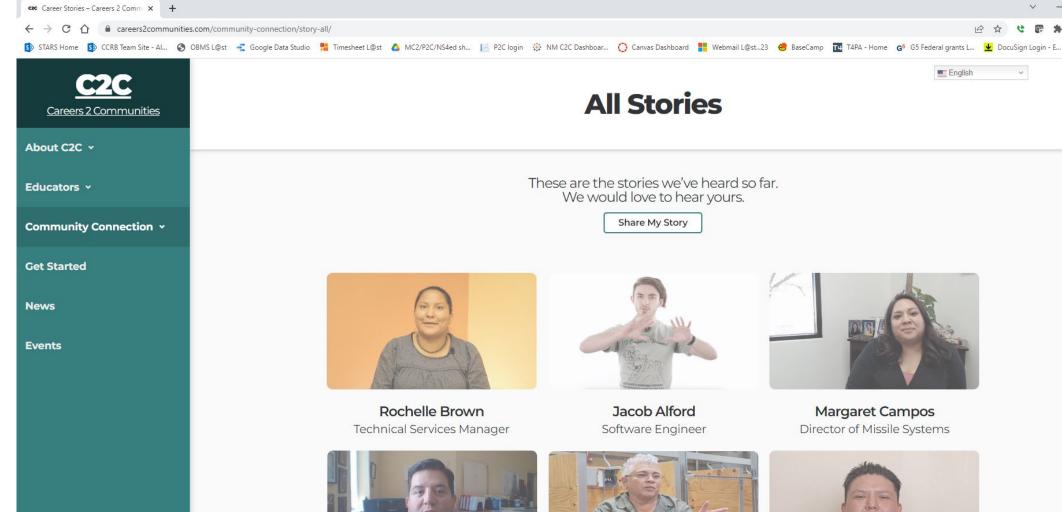
















Denise Odeja Electrician



Casey Tom Motorcycle Mechanic



























English





# **Contacts for Careers2Communities**



Breezy Gutierrez, Project Administrator 1-505-231-5425

Breezy.Gutierrez@ped.nm.gov



Alexandra Lutz, Interim Director 1-505-490-3648

Alexandra.Lutz@ped.nm.gov

























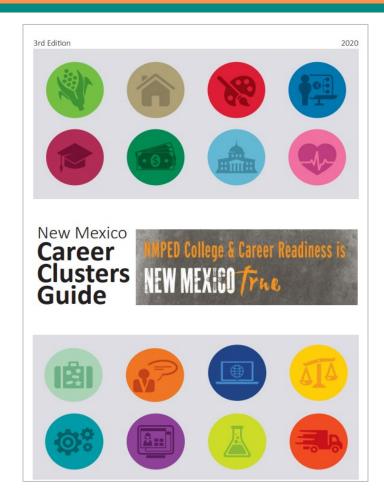


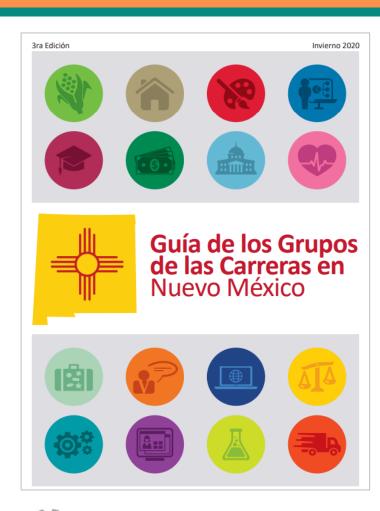






# Career Cluster Guides





- Order physical copies of the CCG
- Download PDF files of the CCG
- View a PPT lesson plan for using the CCG

































# **Contact for CCG**



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Kevin.OShea@ped.nm.gov































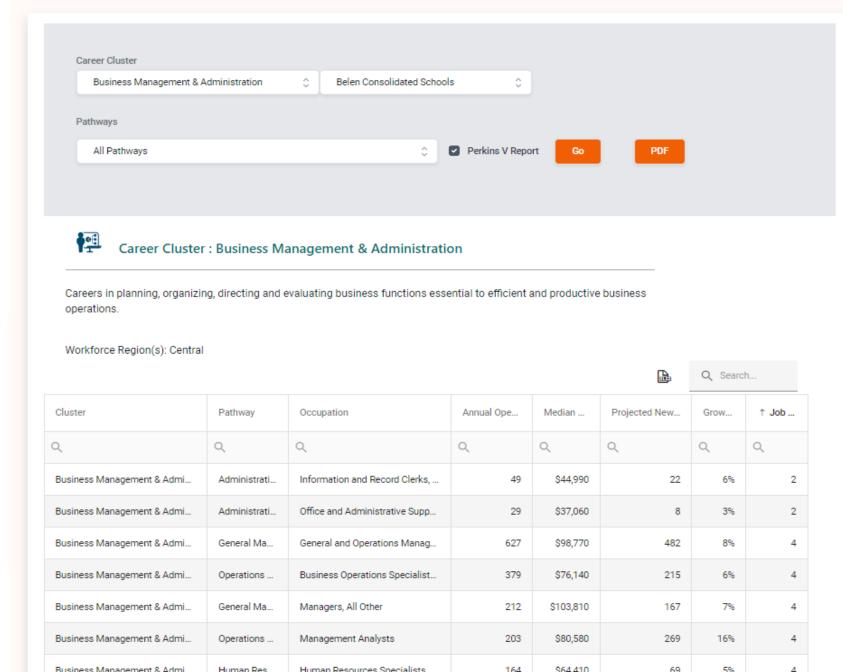


# Market Informati

# Labo



#### **Explore Career Clusters**









# Labor Market Information

# https://www.careerpathways-nm.com/

































# **Contact for LMI**



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# Early College High School

- Early college high schools simultaneously offer a high school diploma and a college-level credential and/or degree.
- The schools are tuition-free.
- ECHS traditionally focus on young people underrepresented in higher education.
- Programs offered vary by campus.





































Early College Health and Academic Academy

Albuquerque Public Schools



College and Career High School

Albuquerque Public Schools



Early College Academy

ECA Spotlight

Carlsbad Municipal Schools



Carlsbad Early College High School

Las Cruces Public Schools



Arrowhead Park Medical Academy

**APECHS Best Practice** 

Los Alamos Public Schools



Los Alamos Early College and Career Academy

Los Lunas - NM Charter School



School of Dreams Academy

Central Consolidated Schools



Bond Wilson Technical Center -College Academies

Clovis Municipal Schools



Early College High School

Deming Public Schools



Early College High School

Farmington Municipal Schools



San Juan College High School

SJCHS Spotlight

Penasco Independent Schools



R.I.S.E. Early College High School

Santa Fe Public Schools



Early College Opportunities

Taos Charter School



Taos Academy

Gadsden Independent Schools



Alta Vista Early College High School

Gallup - Charter School



Middle College High School

Grants/Cibola County Schools



GCCS Early College High School

Las Cruces Public Schools



Arrowhead Park Early College High School

APECHS Best Practice

#### Roswell Independent Schools



Early College High School

Ruidoso Municipal Schools



Ruidoso Early College Academy

Santa Fe Charter School



The Masters Program





# **Contact for ECHS**



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# School Counselors and Advisors

# Supports for those helping students navigate life after high school:

- NM School Counselors' website
- Newsletter
- Monthly virtual Community of Practice
- Annual conference
- Resources































































# **Contact for Counselors / Advisors**



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# **Legislative Proposals**

Increase to Advanced Placement

Increase to NextGen

Increase to **Innovation Zones** 

One-time funding for CTE infrastructure

State funding for WBL previously funded with ARP / ESSER III

































# **Contact for Legislative Proposals**



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