



# Carlsbad Early College High School

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PRESENTATION TO LEGISLATIVE EDUCATION  
STUDY COMMITTEE

SEPTEMBER 28, 2017  
ERIC SPENCER, PRINCIPAL



# Carlsbad Municipal Schools

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*Carlsbad Municipal Schools*  
408 North Canyon Street, Carlsbad, NM 88220  
Phone: (575) 234-3300

# Carlsbad Early College High School (CECHS) Mission

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- Carlsbad Early College High School, in collaboration with local business and industry partners, state and federal agencies, supports scholars as they realize college and career goals while enrolled in high school. Interdisciplinary learning experiences simulate real world scenarios that underpin state and national standards and curriculum. Partnerships facilitating real-world learning opportunities, provide scholars with relevant experiences and opportunities unique to each scholar's individual college and career pathway, propelling them into post-secondary and career opportunities at an advanced instructional pace, providing a viable and highly-skilled workforce, benefiting local business and industry. Graduates of CECHS will earn a state-endorsed high school diploma and an Associate degree or greater, during four years of enrollment, reducing financial burden and deterrence of potential remediation or delay of college and career endeavors.

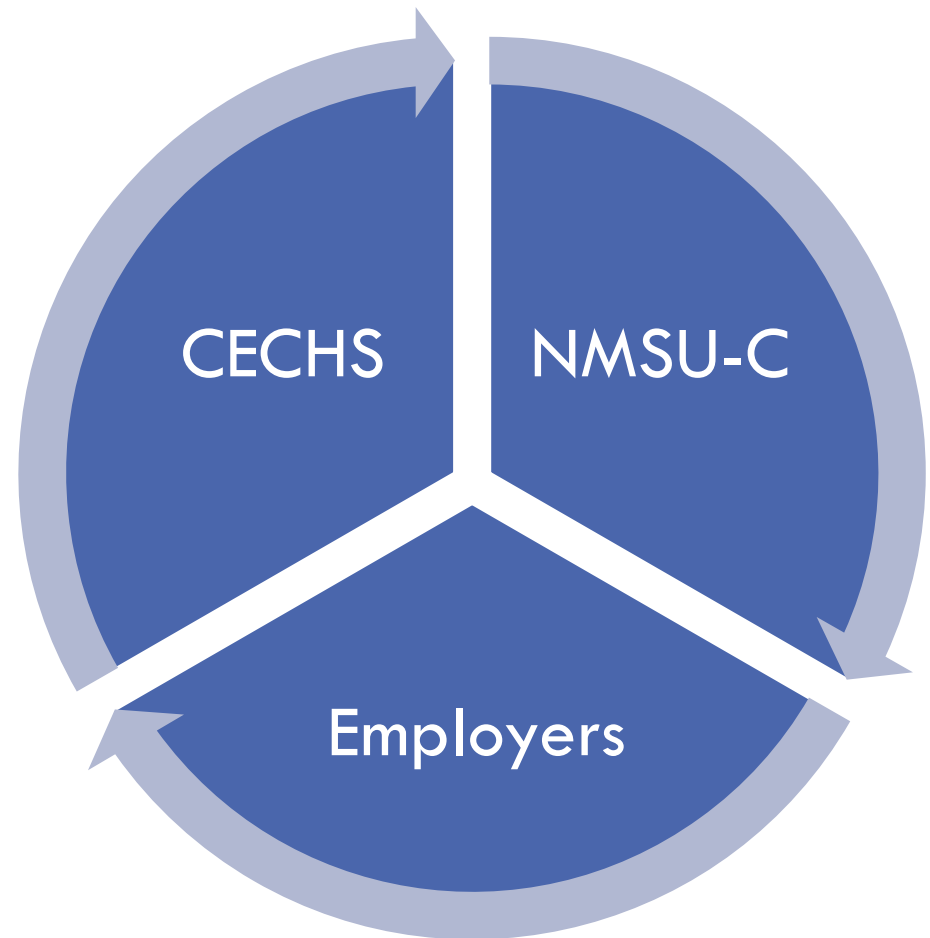
# School History

- Established in SY2014-15
  - ▣ Focus on bring positive change for the community and workforce while providing an expanded opportunity for students.
  - ▣ Develop students' skills so they can become employable in local workforce and industry and go on to higher education.
  - ▣ Increase graduation rate and create seamless pathways for students entering college and career.
  - ▣ Serve students of various walks of life and those under-represented in higher education.
- Began with a \$100,000 grant from the Daniels Fund through the Bridge of Southern New Mexico

# Core Principles of the CECHS

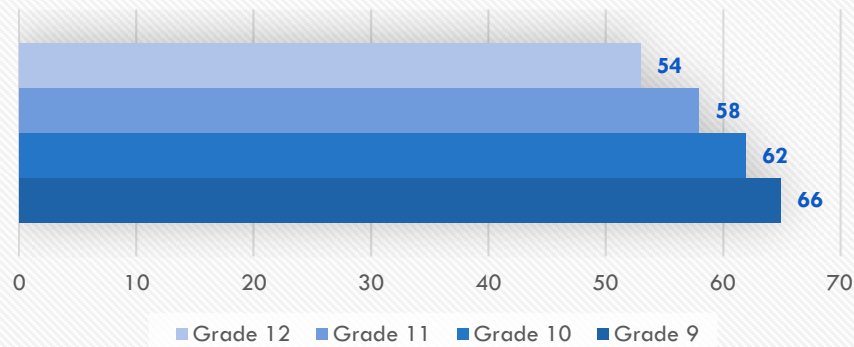
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- CECHS is created and sustained by a local education agency, a higher education institution and employer/business community partnerships.
- School engages all students in a comprehensive support system developing academic, social and workplace skills.
- All students are enabled to earn an associate's degree or two-years of college credit.
- Do what is right for students.

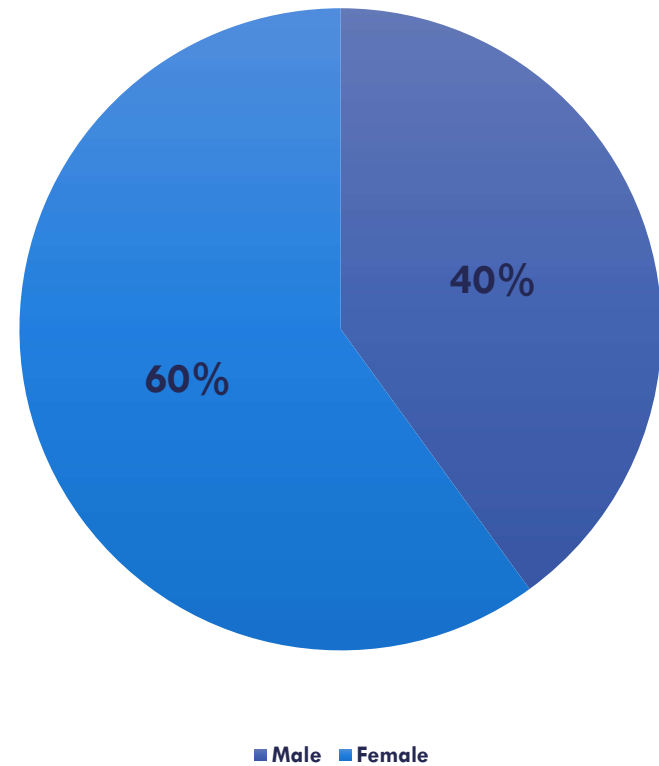


# School Demographics

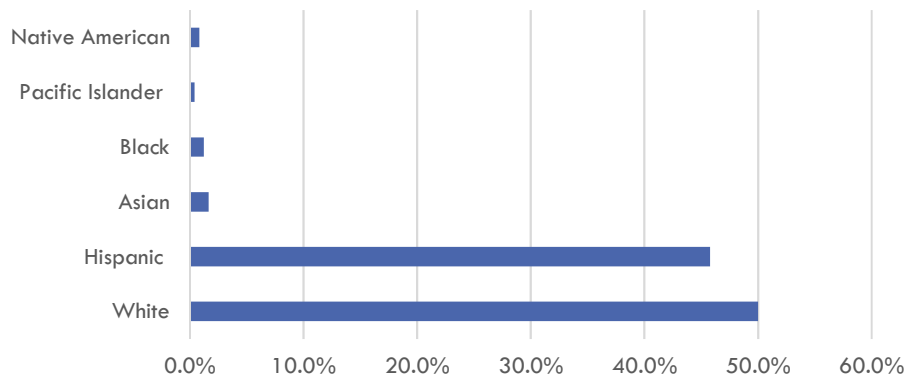
### School Year 2017-18 Enrollment by Grade (240)



### Gender

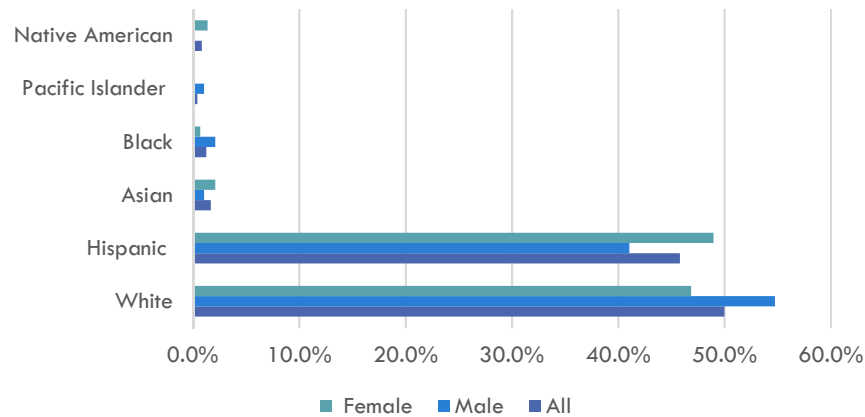


### Ethnicity

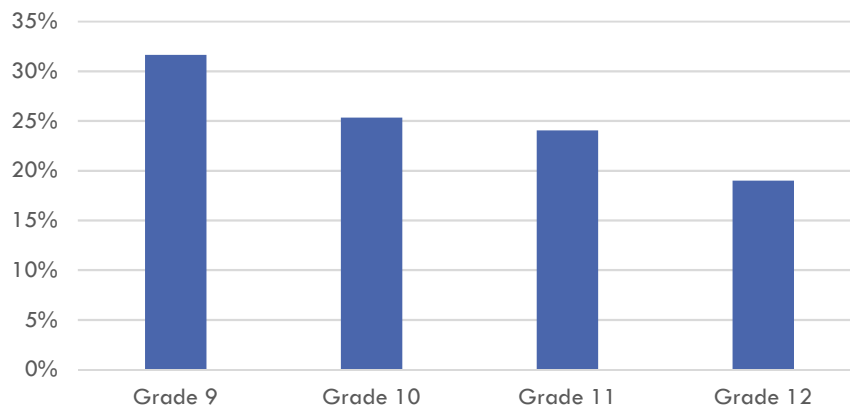


# School Demographics

**Ethnicity by Gender**



**Free or Reduced Price Lunch**



Education Attainment	Percent
One Parent With Some High School	27%
Two Parents With Some	20%
One Parent With High School	17%
Two Parents With High School	8%
One Parent With Some College	25%
Two Parents With Some College	8%
One Parent Completed College	15%
Two Parents Completed College	15%

*Sample of 60 families from the class of 2021*

# Graduation Rate

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Early college students are **far more likely to graduate high school. 90%** of early college students receive a diploma vs. **83%** of students nationally and **70%** in New Mexico.

**CECHS is on track for a 100% graduation rate!**

## News Briefs

**Survey: New Mexico has worst high school graduation rate** May 11, 2016

By KRQE News 13 under News Briefs

SHARE THIS:



**NEW MEXICO (KRQE)** - A national survey shows that New Mexico has the worst high school graduation rate in America.

## NM high school graduation rate hits all-time high

The Associated Press 6:04 p.m. MT Jan. 16, 2017



(Photo: sbhaumik, Getty Images/Stockphoto)

SANTA FE - New Mexico officials say its high school graduation rate climbed to an all-time high of 71 percent last year.

New Mexico Gov. Susana Martinez announced the increase in the graduation rate Monday as she pushes for legislative reforms to crack down on truancy and retain more students in third grade if they can't meet literacy requirements.



# CECHS Belief and Core Values

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- Our belief:

*The Carlsbad Early College High School is the Flagship Early College in the State. We graduate as leaders, college and career ready.*

- Our core values:

- *Right Choices*
- *Work Hard*
- *Have Focus*
- *Have Resiliency*



# CECHS Programming

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## Program of Study

High School  
Graduation  
Requirements

Associate's  
Degree  
Requirements  
or two-years  
of College  
Credit

Structured  
Work-based  
Learning

Authentic projects supported or sponsored by industry partners.

# Program of Study

Fall (Year 1)	Spring (Year 1)	Fall (Year 2)	Spring (Year 2)
English I Algebra I Innovations I (B) Integrated Sci (A) College & Career Suc.*	English II Algebra 1 (Cont.) Innovations I (A) Integrated Sci (B) Financial Literacy NM History/Geog (A)	English III (ENG 111)* Applied Math II (MATH 120)* Biology US History	English IV (ENG 211/218)* Algebra II (MATH 121)* Chemistry (B) Geol 111 (A)* World History
Fall (Year 3)	Spring (Year 3)	Fall (Year 4)	Spring (Year 4)
Seminar I**	Seminar II** Govt. 100 (B)*	Seminar III** Economics	Seminar IV**

\*Dual Credit Courses

\*\*Seminar I-IV includes structured work-based learning

*100 percent of the class of 2018 are on track for earning a high school diploma and an associate's degree or two-years of college credit; 70% higher than the national average.<sup>1</sup>*

**The SpringBoard (College Board) framework for ELA and Mathematics is used daily.** It provides a customizable pathway to rigorous instruction with a focus on active learning and robust professional development.

<sup>1</sup> Jobs for the Future

*Sequencing and course titles are only a sample.*

# Postsecondary Degrees at CECHS

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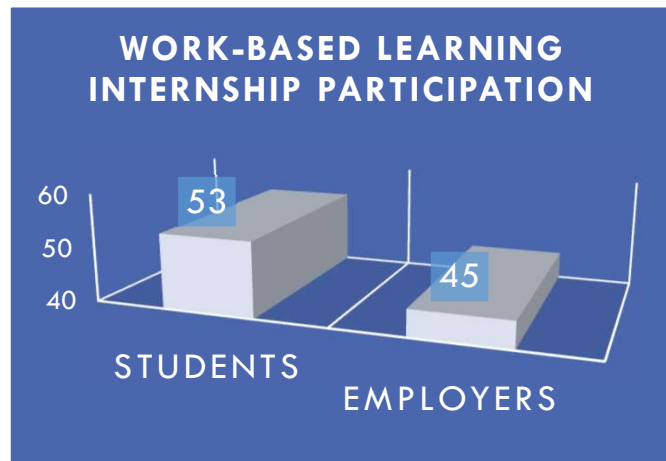
- **ARTS, AUDIO/VISUAL TECHNOLOGY, & COMMUNICATIONS**
  - ASSOCIATE OF ART
  - ASSOCIATE OF APPLIED SCIENCE IN DIGITAL TECHNOLOGY
- **BUSINESS MANAGEMENT & ADMINISTRATION**
  - ASSOCIATE OF PRE-BUSINESS
  - ASSOCIATE OF APPLIED SCIENCE IN BUSINESS MANAGEMENT
  - ASSOCIATE OF APPLIED SCIENCE IN BUSINESS OFFICE TECHNOLOGY
  - BUSINESS OFFICE TECHNOLOGY CERTIFICATE
  - MEDICAL TRANSCRIPTION & RECORDS OPTION
  - OFFICE ASSISTANT OPTION
  - ACCOUNTING CERTIFICATE
  - BANKING CERTIFICATE
- **EDUCATION AND TRAINING**
  - ASSOCIATE OF EDUCATION
  - ASSOCIATE OF EARLY CHILDHOOD EDUCATION
  - EARLY CHILDHOOD ADMINISTRATIVE CERTIFICATE

- **HEALTH SCIENCE**
  - ASSOCIATE OF SCIENCE
    - PRE-MED STUDIES
    - PRE-NURSING STUDIES
- **HUMAN SERVICES**
  - ASSOCIATE OF SOCIAL SERVICES
- **LAW, PUBLIC SAFETY, AND CORRECTIONS**
  - ASSOCIATE OF CRIMINAL JUSTICE
- **SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS (STEM)**
  - ASSOCIATE OF SCIENCE IN ENGINEERING
  - ASSOCIATE OF SCIENCE
    - BIOLOGY CONCENTRATION
    - NATURAL RESOURCE CONCENTRATION
    - PHYSICAL SCIENCE CONCENTRATION



# Structured Work-based Learning

All students are required to participate in a work-based learning internship during their junior and senior year.



Over 60 percent of the junior and senior class are members of *Business Professionals of America* – a co-curricular student organization (CTSO).



# Recent PARCC Results

## 2017 PARCC Results

<b>English Language Arts 10</b>	<b>Proficient (3, 4, 5)*</b>	<b>Gain in Proficiency</b>	<b>Proficient (4, 5)</b>	<b>Gain in Proficiency</b>
8th grade (Prior to Enrollment)	75.9%		36.2%	
ECHS 9th grade 2017	81.1%	5.2%	58.1%	21.9%
State Average	68.0%		31.0%	

*At CECHS, ELA 10 is taken in the freshmen year due to block scheduling.  
N= 62*

<b>English Language Arts 11</b>	<b>Proficient (3, 4, 5)</b>	<b>Gain in Proficiency</b>	<b>Proficient (4, 5)</b>	<b>Gain in Proficiency</b>
8th grade (Prior to Enrollment)	66%		13%	
ECHS 10th grade 2017	90%	24%	62%	49%
State Average	57%		43%	

*At CECHS, ELA 11 is taken in the sophomore year due to block scheduling.  
N= 60*

<b>Algebra 1</b>	<b>Proficient (3, 4, 5)</b>	<b>Gain in Proficiency</b>	<b>Proficient (4, 5)</b>	<b>Gain in Proficiency</b>
8th Grade Math (Prior to Enrollment)	33%		11%	
Algebra 1 at ECHS	95%	62%	73%	62%
State Average	45%		18-19%	

*At CECHS, Algebra 1 is taken in the freshmen year.  
N= 41*

\*PARCC scores range from 1-5. A score of 3 is required for graduation for the classes of 2018 – 2019.

In 2017, CECHS ranked first in the State for proficiency growth in mathematics and ninth for proficiency growth in English language arts.

# School Grade



## School Grading Report Card 2017

### Carlsbad Early College High

District: Carlsbad Municipal Schools

Grade Range: 9-12 Code: 20035

<p><b>Final Grade 2017</b></p> <p style="font-size: 2em; text-align: center;"><b>A</b></p> <p><b>Overall Score 85.16</b></p>
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### School Grading

Component of Grade	2015	2016	2017
Overall Grade	C	B	A
Current Standing	C	B	A
School Growth	C	B	A
Highest 75% Students	B	A	A
Lowest 25% Students	C	D	B
Opportunity to Learn	A	A	A
Graduation	n/a	n/a	n/a
College & Career Readiness	n/a	n/a	n/a

- Points from components are summed together.
- How did students perform in the most recent school year?
- How school increased grade level performance in last 3 years?
- How well did the school help individual students improve?
- How well did the school help individual students improve?
- How school fosters an environment that facilitates learning.
- How does the school contribute to on-time graduation?
- Are students prepared for what lies ahead after high school?

# Savings to Students and Families

School Year(s)	Credits	Tuition, Room, Board & Fees		
		Tuition NMSU-C	NMSU- Main	UNM
2014-15/2015-16	474	\$ 19,908	\$ 258,156	\$ 337,448
2016-17	1588	\$ 66,696	\$ 864,877	\$ 1,130,522
2017-2018 (Fall)	697	\$ 29,274	\$ 379,609	\$ 496,205
2017/2018 (Spring)*	697	\$ 29,274	\$ 379,609	\$ 496,205
<b>Total</b>	<b>3456</b>	<b>\$ 145,152</b>	<b>\$ 1,882,251</b>	<b>\$ 2,460,380</b>
<b>Student Average</b>	<b>65</b>	<b>\$ 2,739</b>	<b>\$ 35,514</b>	<b>\$ 46,422</b>

\*Projected number of credits to be earned.

Class of 2018

**College Participation Yields Significant Savings to Students and Families!**



**Other Benefits:**

- \$25,440 savings in remediation<sup>1</sup>
- Dual credit courses produce solid returns in state investment, grow tax base, increase earnings, and reduce student loan debt.<sup>2</sup>

<sup>1</sup> New Mexico Higher Education Department, 2016 Annual Report

<sup>2</sup> The Bridge of Southern New Mexico



# Business/Industry Support - Examples

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## □ Curricular Support

- Southern Regional Education Board (SREB) *Innovations in Science and Technology Curriculum* – Adoption and Jurying of Student Work
- Guadalupe Ridge Trail (GRT) – GIS work on the trails (Science); development of marketing and business plans (Employability).
- Forest Service Work Program for CECHS students – Natural Resource Technician
- Carlsbad Environmental Monitoring and Research Center (CEMRC) – Science and Engineering demonstrations

## □ Financial Support

- A number of local and regional partners have collectively donated over \$850,000 in the last three years to support the CECHS mission.

# CECHS Advisory Board Members

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- Dr. John Gratton: NMSU-C
- Jeff Campbell: Department of Development
- Tonk Chester: Mosaic Potash, Inc.
- Aaron Irving: Oakley Financial
- Linda Dodd: United Way
- Don Kidd: President, Western Commerce Bank
- Marjo Pace: Sr. Vice President, First American Bank
- Shaye Coates: Assistant Vice President, First American Bank
- Mike Antiporda, Carlsbad Foundation
- Dr. Jonathan Icenhower: Sandia National Labs
- Brenda Whiteaker: Chamber of Commerce
- Christi Callicoatte, CVA Advertising and Marketing
- Douglass Lynn, CEHMM
- Eric Brunnemann, Michael Medrano and Elizabeth Jackson, National Park Service
- Michael Runner, Intrepid Potash
- Nancy Bradford, Intrepid
- Marsha Drapala, Landsun Homes
- Michael Runner, Intrepid
- Dolores Vick and Allen Davis, Chevron
- Amanda Beard, Devon
- Bobby St. John, Kevin Donovan, and Donovan Mager, NWP
- Jason Wyatt and Kathleen Slate, WCB
- Craig Stephens, Montgomery Agency
- Larry Paul and L. Benavidez, U. S. Forest Service
- Dean Chumbley, Advisor, Surface Operations – COG Operating LLC
- Jo Scheel, ERA Carlsbad
- Karen Matusic, XTO Energy
- Kristin Ditto, Concho
- Kristopher Armendariz and Nicole Chavez, Carlsbad Medical Center

# Student Perspective

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- Aaron Braddock
- Junior, Class of 2019
- Earning an Associates' of Arts – Political Science
- Plans to attend Northeastern University, Boston, MA
- Intern at Senator Tom Udall's Carlsbad office
- Leader in the CECHS, NMSU-C and Carlsbad Community
- Career Goal: Public Service





**Eric Spencer**

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