



ACE LEADERSHIP HIGH SCHOOL BUILDING FOR SUCCESS

**Aligning CTE and WBL with Core
Academics and Dual Credit**

We do High School Differently

ACE Leadership High School is where education meets the real world. Our team approaches high school differently. We invest in every aspect of our students' lives to prepare them with the tools, support, and connections they need to thrive. We focus on practical projects instead of tests and partner with leaders in New Mexico's Architecture, Construction, and Engineering (ACE) industries to get everyone learning on their feet rather than cramped behind a desk. We all know the world of work is changing, and education should too. That's why we're building a better future together.

ACE Leadership High School

Mission

Our mission is to support our students in their individual journeys while preparing them for lives of leadership, purpose, and impact.

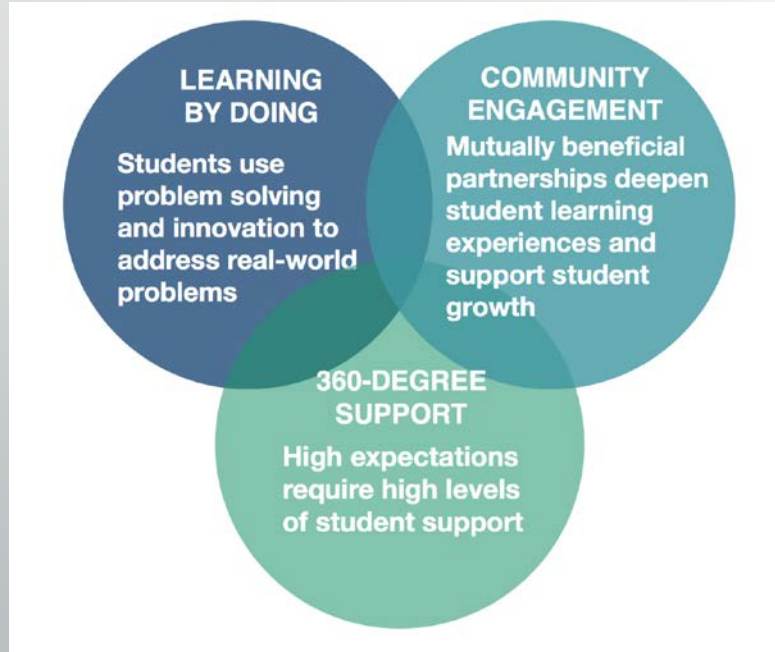
Vision

Our dream for education is a world where every young person is supported and equipped to reach their highest potential in learning, life, and work.

Promise

We are a high school that puts dedicated care, hands-on learning, and real world opportunities to work to ensure every student is prepared for their future.

About ACE Leadership HS



Model

- Three pillar model of Hands-on Learning by Doing, Holistic Student Support and Authentic Community Engagement
 - Pillars are equally important with a focus on convergence
- Focus on transition to living wage careers and healthy lives
 - Meet students where they are
- Day & Evening Programs
 - Day serves about 215 students
 - Evening program serves about 90 students ages 17-22

**ACE uses Architecture,
Construction and Engineering
Industries to teach core
academics, CTE, and
workforce skills.**

Projects at ACE



Simple Structures

PROJECT SUMMARY

In this course, students expand their knowledge of designing, building, and testing simple structures to focus on math and science skills and knowledge. Students develop safe hand tool practices while building structures to withstand outside forces.



CREDITS OFFERED

Math and physics

DRIVING QUESTION

How do we build stronger simple structures?

INDUSTRY PARTNERS



Build a Better Burque

PROJECT SUMMARY

In Build a Better Burque, students learned NM History and practiced English Language Arts and Drafting skills through the lens of city planning in Albuquerque, NM. Students also learned about principles of city planning and design.



CREDITS OFFERED

NM History, English, Drafting

DRIVING QUESTION

How can city planners use history to build a better Albuquerque?



**How did/does the ACE
Leadership Graduate Profile
guide the structure and
programming of the school?**

Guiding Documents for ACE

- ACE Industry Framework
- ACE Leadership HS Graduate Profile

ACE Leadership HS Industry Framework



Competency Area	Competency	Brief Description
Staying Safe	OSHA-10	Complete the OSHA-10 training
Staying Safe	First Aid	Complete First Aid training
Staying Safe	Common hazards	Recognize common hazards and unsafe conditions that occur in workshops and at worksites, common causes, and how to prevent them
Staying Safe	Safe tool use	Practice safe tool and equipment use, including ladders
Staying Safe	Protective equipment	Practice safe use of personal protective equipment such as respiratory protection and fall protection equipment
Staying Safe	Safety procedures	Read, comprehend, and follow safety procedures and protocols
Mastering Industry Basics	Arithmetic	Complete workshop or worksite tasks using arithmetic with whole numbers, fractions, decimals, and percents.
Mastering Industry Basics	Measurement	Use a measuring tape and other gauges/instruments to take measurements, calculate areas and volumes, and convert between different measurement units (e.g., from English to metric)
Mastering Industry Basics	Tools	Identify common hand and power tools, describe their properties and uses, and use them as appropriate to a task or project
Mastering Industry Basics	Materials	Identify common building and construction materials, describe their properties and uses, and use them as appropriate to a task or project
Mastering Industry Basics	Site maintenance	Prepare and maintain a clean and organized work environment
Mastering Industry Basics	Technical reading and writing	Write technical instructions that break a process down into steps; understand and follow through on written and visual instructions prepared by someone else
Mastering Industry Basics	Design thinking	Practice the five-step design thinking process, using creativity and critical thinking to brainstorm ideas, decide on solutions that meet the needs of the people you are designing for, testing the solution, and making improvement based on data and feedback.
Using Technology	Computer basics	Use basic computer hardware (e.g., mouse, trackpad, touchscreen, keyboard, printer), navigate between applications/software, type simple documents, and organize files for easy retrieval
Using Technology	Internet research	Use internet search engines to gather information relevant to the project or problem at hand; assess websites for

A Bridge to Success

ACE Leadership High School's Graduate Profile



I am prepared to transition to a meaningful career and healthy life

I have foundational industry skills

Staying safe

Mastering industry basics

Using technology

Understanding projects

Working with people

Identity
Confidence
Self-Advocacy

I know and believe
in myself

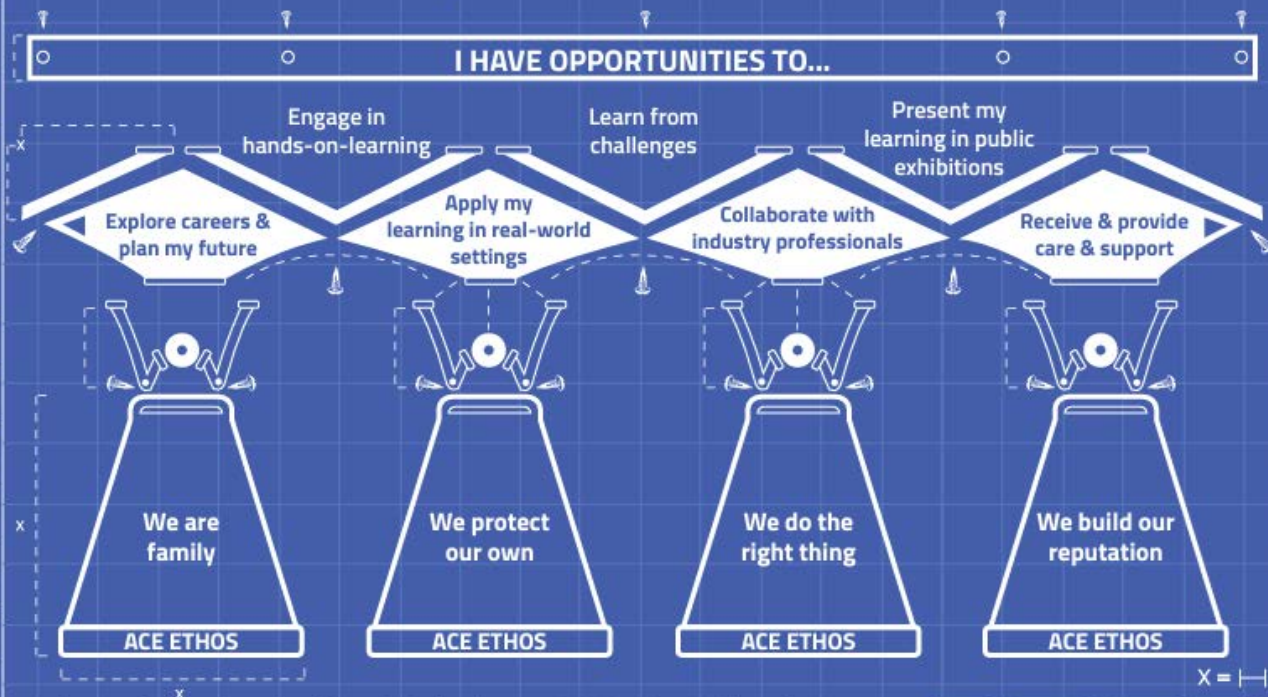
Empathy
Communication
Critical thinking

I engage with my
community

Financial
understanding
Lifelong learning
Job-seeking skills

I am ready for
next steps

ACE'S Blueprint of Foundational Experiences



Industry and community voices informed the development of this Graduate Profile and Blueprint of Foundational Experiences through the facilitation of 8 focus groups and 10 interviews with employers, postsecondary faculty, ACE teachers and staff, young people, family members, and community organizations.



Work-based Learning Wednesday's

> The added component <



ACE LEADERSHIP WORK-BASED LEARNING WEDNESDAYS

WBL Wednesdays are designed to diversify ACE students' learning experience and create additional space for collaborating with community and industry partners. We are always looking for community organizations, industry partners, and individual contractors to support with these learning opportunities.

WBL WORKSHOPS

ACE offers a variety of workshops to expose students to different areas of the trades and help build student skills. Workshops include welding, electricity, carpentry, and more.

SERVICE LEARNING

Students volunteer at Roadrunner Food Bank, Barelas Senior Center, Locker 505, the Storehouse, and ECHO Inc.

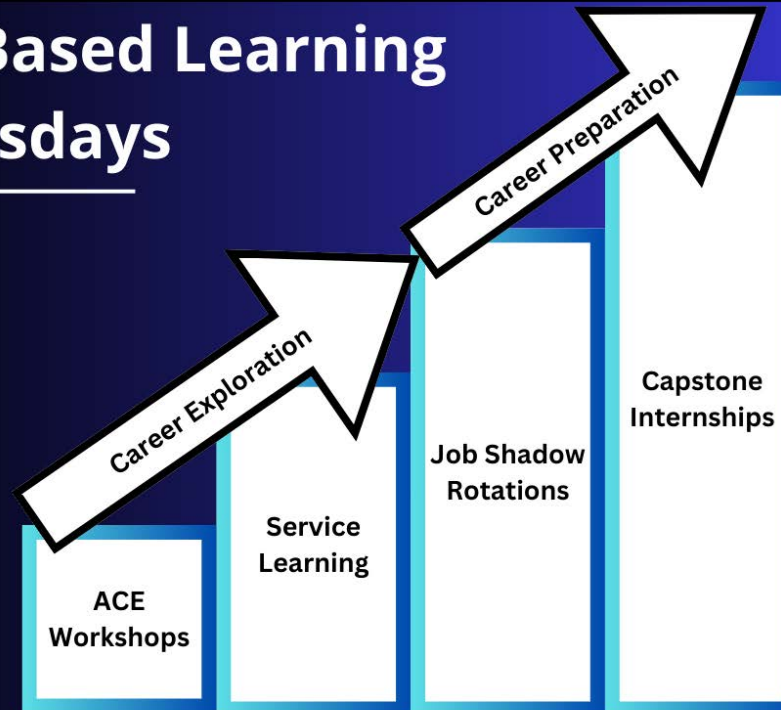
JOB SHADOW ROTATIONS

Students explore different career areas by shadowing with community and industry partner organizations.

CAPSTONE INTERNSHIP

students in their last year at ACE participate in paid internships to explore career options and build skills while working.

Work-Based Learning Wednesdays



Project-Based Learning

Active, Hands-On, and Relevant Educational Experiences
Problem and Product Centered Projects
Aligned to Industry Framework
Public Demonstration of Project Completion

WBL Trimester 3 Schedule

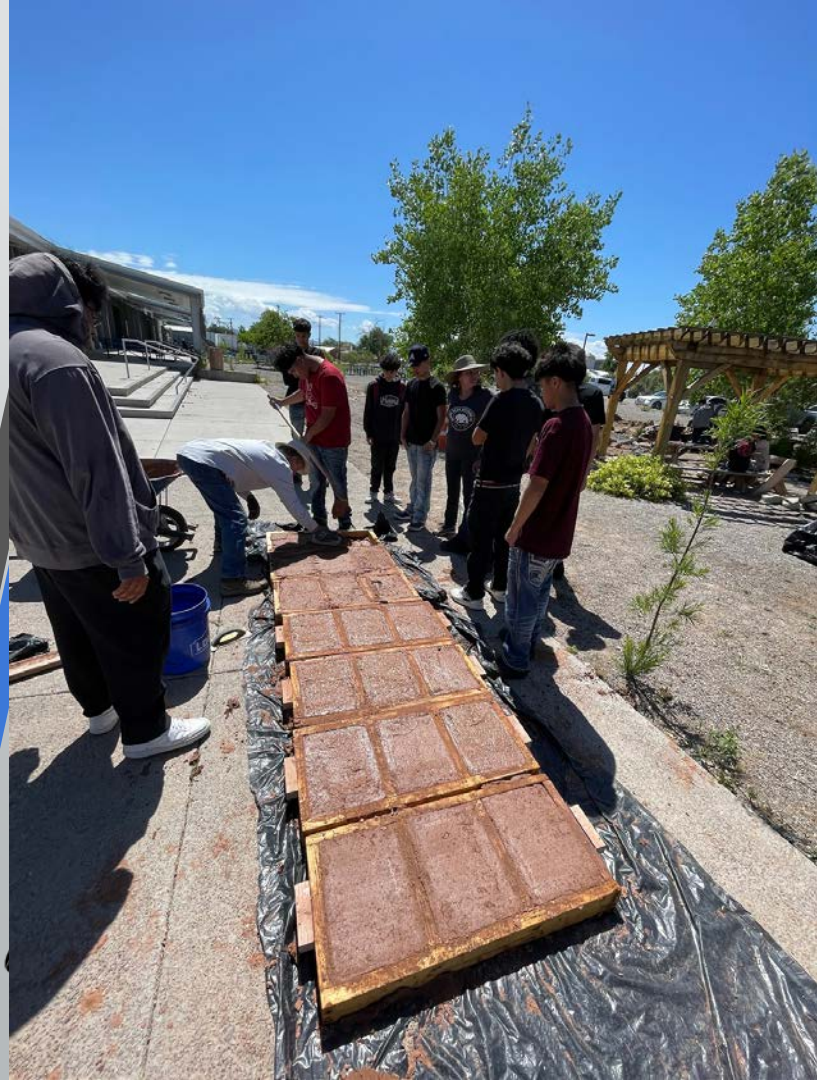
Justin, Matt launch offsite, Lilia City drop offs, coordinates late arrivals w/ drivers after city drop off

Julie offsite- Capstone site visits

Matt in back float, backup driver

Cohort	Subgroup- # Students	Advisory 9:10 - 9:20	9:25 - 10:40	Location	10:45 - 12:00	Location
On site workshops						
1	1A 10		Welding Jason + Mike Luna (contractor)+ Matt float			Welding Lab
	1B 9		Power Tools Larry (contractor) + Alexee + Brad build sub & Matt float			Dirty Lab
	1C 10		Electricity Erik + Diane + Clay			Electricity Annex
	1D 9		Hand Tools Leon (contractor) + Beach +Brad build sub & Matt float			Back Patio
2	2A 9	Pod 1	Math & Measurement w/ Surveying Athena + Chavez + Natalie float		Adobe Drafting	
	2B 9	Pod 2	Math & Measurement w/ Building Marquez + Sabrina + Brad build support		TinkerCad	
	2C 9	Clean Room	TinkerCad Ben + Alex		Math & Measurement w/ Surveying	
3	3B 10	Portable C	Adobe Drafting C.E. (contractor) + Helen + Natalie float		Math & Measurement w/ Building	
Offsite workshop						
	12		Explora Workshop Both Angela's + Casey & Justin help w/ walkover, walk back			Max 12 @ Explora

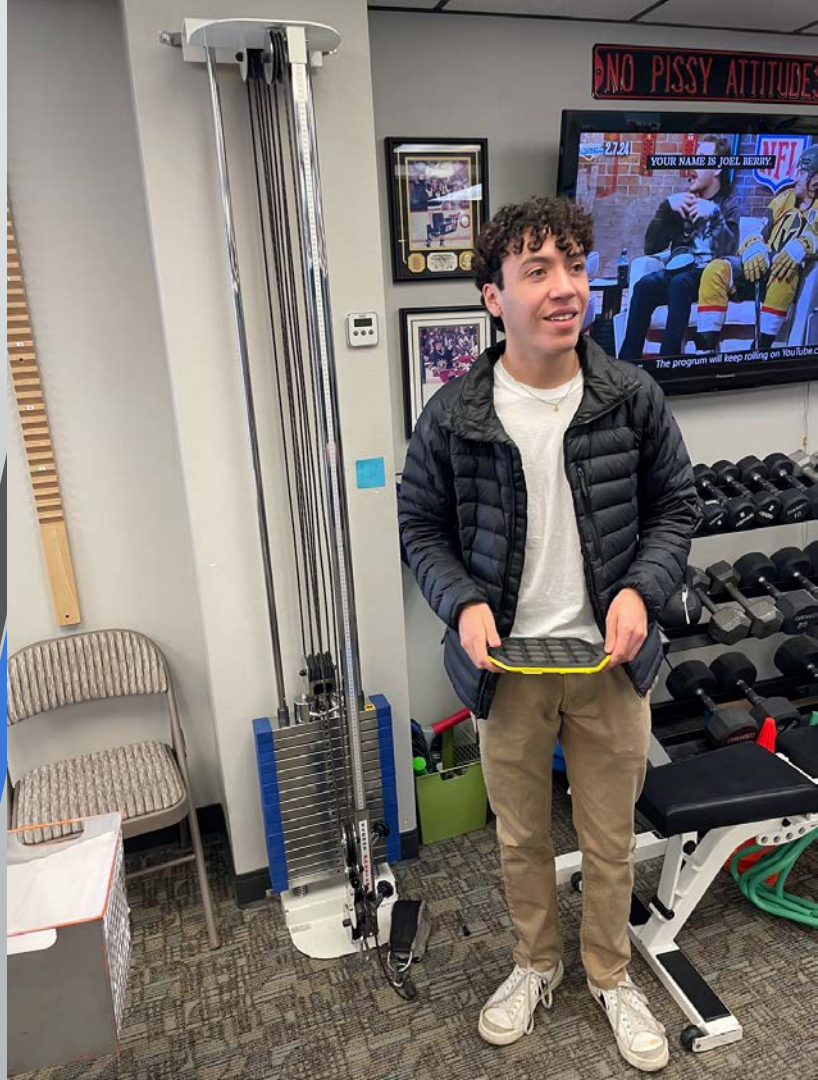
	3A 16		Adelante Tech Workshop w/ DiversIT- Sen + Jonathan (arrival before 9:30)	max 16
SERVICE LEARNING				
	4A		Locker 505 - Miguel (start at 10) Closed March 27th	Max 10
4	4-B		Roadrunner Food Bank - Tim (flexible start, 2hrs-ish)	12
	4-C		Barelas Senior Center - Mindy (open arrival)	12
	4-D		The Storehouse - Marina (flexible start)	Max 6
			ECHO, Inc. - Johnny + Angel internship	Max 12
PRE-CAPSTONE ROTATIONS				
5	40-60		Cabq NAPA Union Co-Op	ACE Vehicles
CAPSTONE				
6	50		Internships	Various

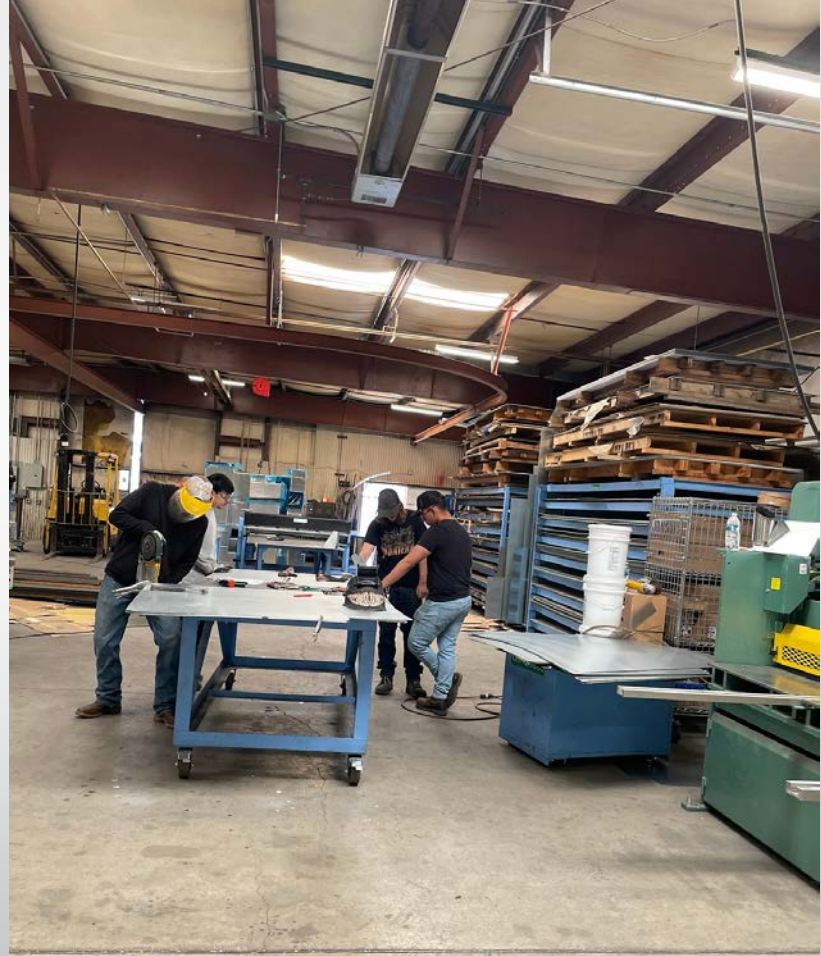
















WBL-Wednesday's The Impact

What impact have your internship(s) had on you?

it gave me a place too see what life could offer besides the stuff i have right now

it has made me more into the job i have decided on

it was hard but got through it

learned how to build a garden bed, so if I ever have a garden im set

learned how to do fraiming and roofing a bit better

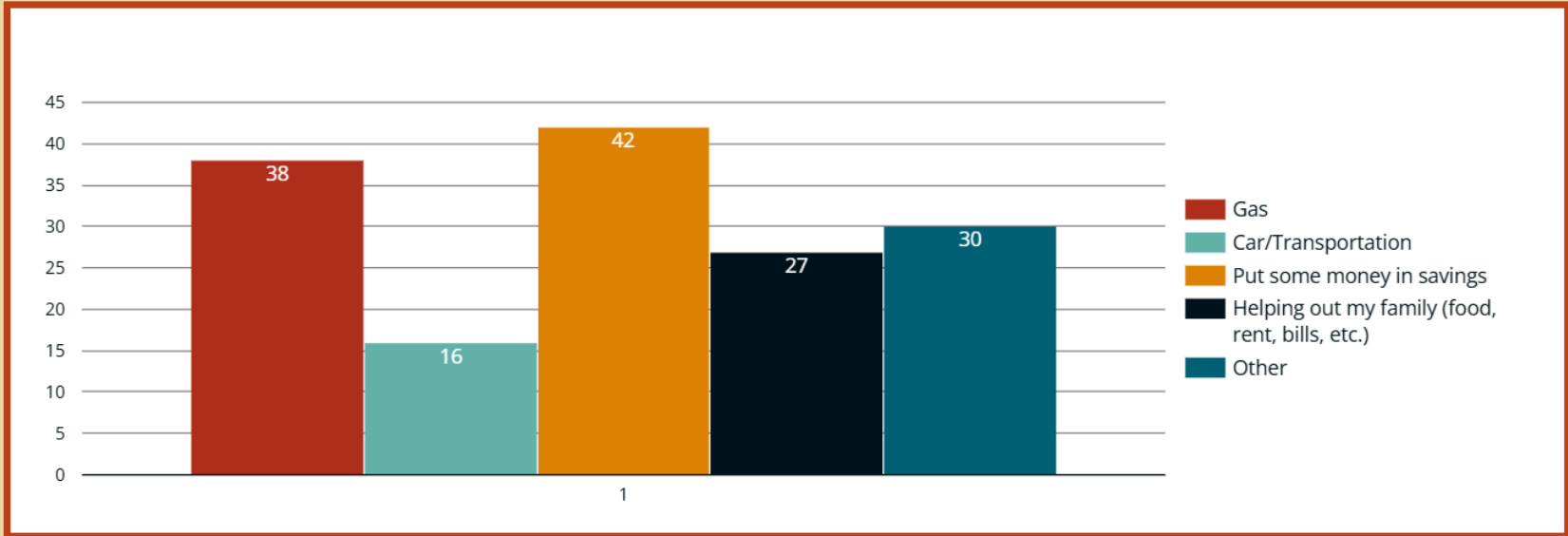
made me realize I don't want to go into plumbing

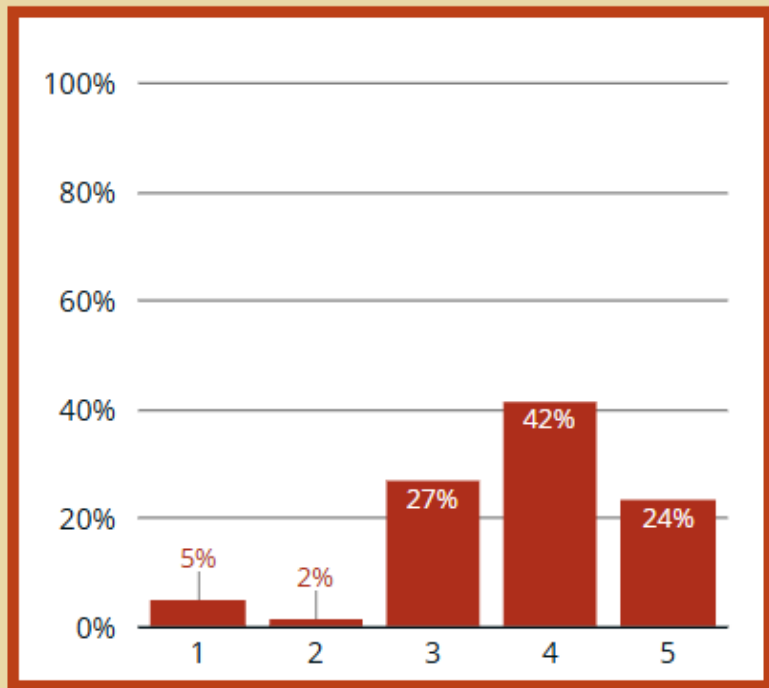
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WBL-Wednesday's The Impact

What did you end up using money from
your internship for?: All Students





**My internship(s) made
me feel more confident
about my future after
high school.**

SINCE ITS LAUNCH,

\$384,000

434 total internships

**PAID INTERNSHIPS
SINCE 2022**



LEARNING OFF SITE

185



68% of internships in a
construction-related industry

ACE Dual Enrollment, Transition & Data

Dual Enrollment

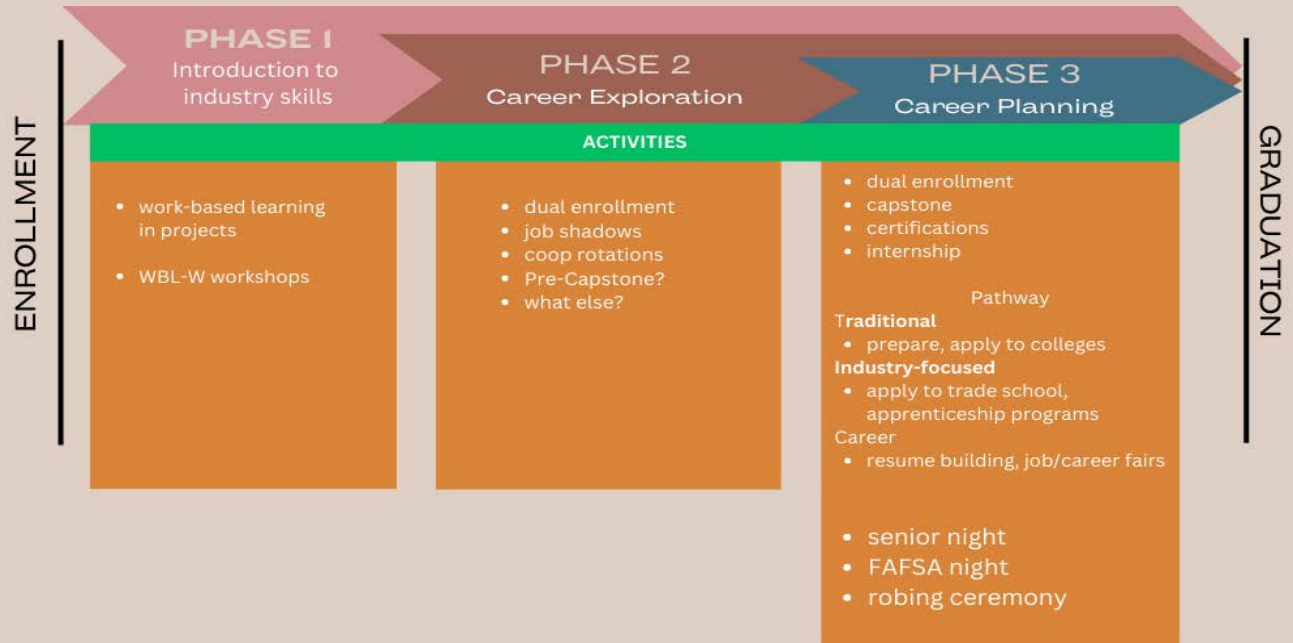
- Partnership with UNM and CNM for individual classes
- Expansion in development with new Credit Recovery Program

Transition Challenge

- From theory to practice
 - Full-scale program this year

ACE Dual Enrollment, Transition & Data

ACE Transition Program



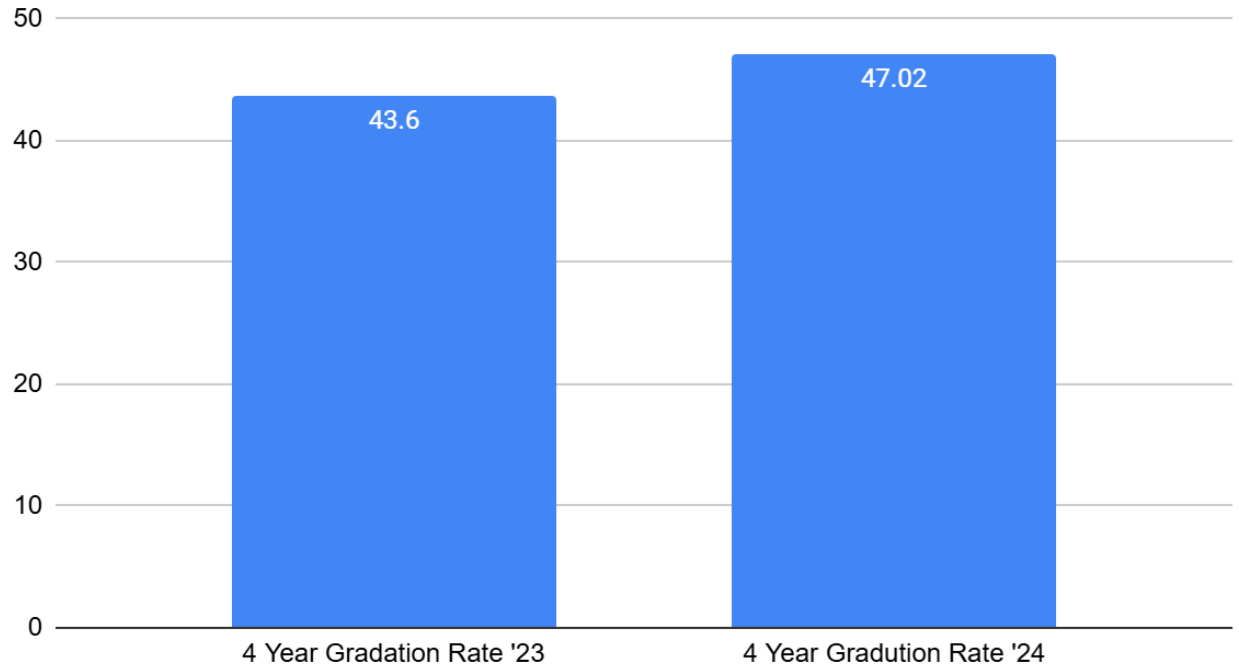
Programming to Improve other Factors

- Graduation Rates
- Attendance
- Student entering the ACE Industries

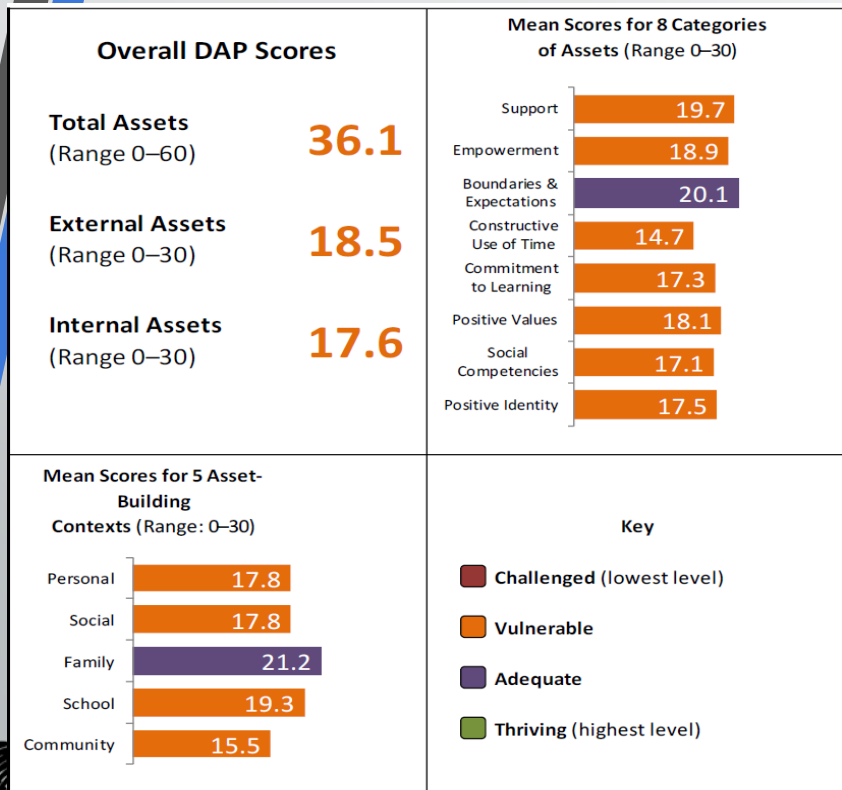
Graduation Rates

SY 23 was the first year of the full-scale WBL program

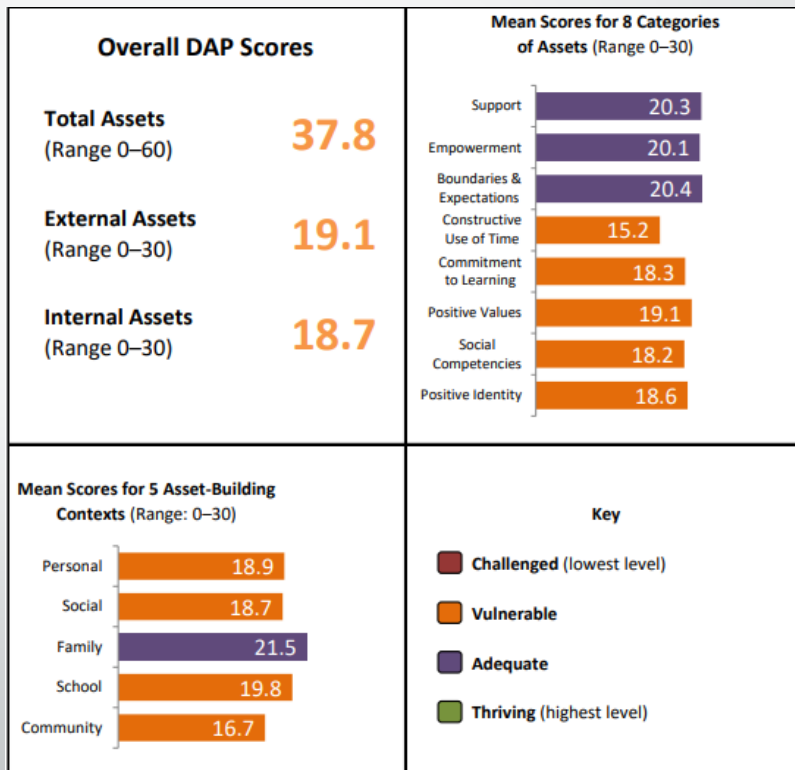
Grad Year and %



DAP Growth

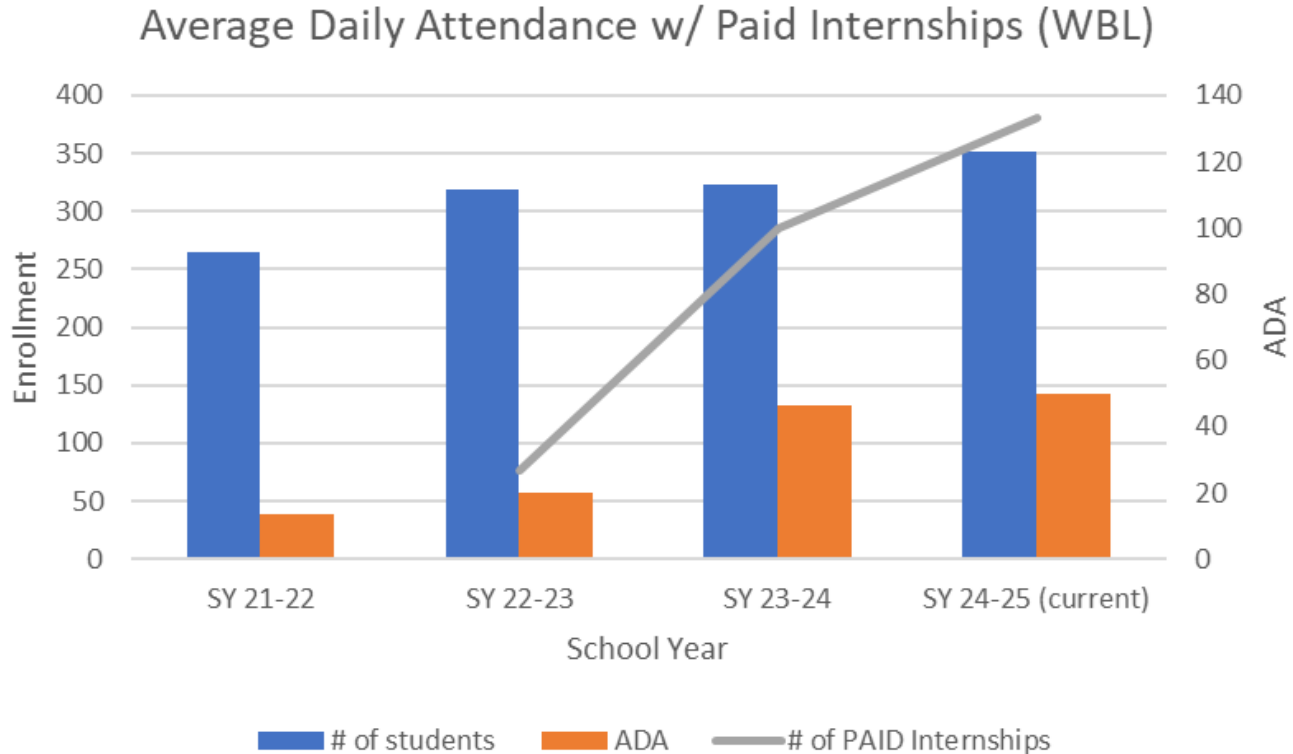


PRE TEST 2023



PRETEST 2024

Average Daily Attendance Since WBL programming & WBL-W



Summary

1. Reimagining how students do ACE
2. Redesigning the school experience for students
3. Aligning guiding documents with school programs, vice versa
4. Continue to adapt WBL-W programming
5. Continue to measure programmatic data

What's Next

1. Continue to adapt and adjust programming to partners needs
2. Alumni data- is the theory playing out?