

YESTERDAY'S WISDOM, TOMORROW'S VISION

A DECADE CTE LOOKBACK



PASADENA
INDEPENDENT SCHOOL DISTRICT

 **ARCADIS**



SARAH WROBLESKI

VISIONARY



PASADENA
INDEPENDENT SCHOOL DISTRICT

DR. KIRK LEWIS CAREER AND TECHNICAL HIGH SCHOOL (CTHS)



OUR TEAM

Vision of CTHS: The Right Players, The Right Time

hello

SARAH WROBLESKI



Visionary

Exec. Director CTE
(Retired)

Gardening



Grandma



Travel



hola

STEVEN FLEMING



Innovator

Principal (Retired)

Church Deacon



Woodworking



Cooking



bonjour

JESSICA MCCOY



Guiding Light

Principal (Current)
19 years in education
At CTHS since it opened in 2014

Reader



Formula 1 Enthusiast



Plant Mom



ni hao

TANYA HAGAR



CTE Leader

Exec. Director CTE
34 years in CTE education

Sand Seeker



Empty Nester



Sports Fanatic



xin chao

SYLVIA FITZWATER



Designer

Lead Interior Designer
ALEP, RID, IIDA, LEED AP ID+C

Dachshund Mom



Bourbon Collector



Furniture Nerd



BUILDING DATA

COST PER
SQUARE FOOT

\$151

ACRES

27

YEAR OF OPENING

2014

LEARNING ACADEMIES

6

FINAL PROJECT COST
AT COMPLETION

\$38M

SQUARE FOOTAGE

253,100

STUDENT CAPACITY

1,700

FUNDING
PROVIDED BY

2011 BOND

PROJECT DELIVERY

CSP

PASADENA TEXAS INFO

POPULATION
149,617

SMALL TEXAS TOWN
FEELING

MAIN ECONOMIC
INDUSTRY
PETROCHEMICAL

OTHER NOTABLE
INDUSTRIES
- MANUFACTURING
- LOGISTICS &
DISTRIBUTION
- AEROSPACE
- HEALTHCARE

DEMOGRAPHICS
HISPANIC = 72.9%
AFRICAN AMERICAN =
2.7%
WHITE = 19.5%
ASIAN/OTHER = 4.9%

EDUCATION STATS
70.8% OF
PASADENA CITIZENS
HAVE A HIGH SCHOOL
DIPLOMA OR HIGHER

FAMOUS FOR THE
STRAWBERRY
FESTIVAL WITH THE
WORLD'S LARGEST
STRAWBERRY
SHORTCAKE

CONSIDERED THE
BIRTHPLACE OF
TEXAS

FOUNDED IN
1893

PASADENA ISD FACTS



CAMPUSES

65

STUDENTS

43,695

CAREER AND
TECHNICAL HIGH
SCHOOLS

1

DEMOGRAPHICS
HISPANIC = 82.9%
AFRICAN AMERICAN =
8%
WHITE = 5.2%
ASIAN/OTHER = 3.9%

ATTENDANCE RATE

92.3%

GRADUATION RATE

91%

ECONOMICALLY
DISADVANTAGED
STUDENTS

81.9%

EMERGENT BILINGUAL

37.5%

DISTRICT
ESTABLISHED

1898

FACTS ABOUT CTHS



**RATING
A 96**

DEMOGRAPHICS
HISPANIC = 89.6%
AFRICAN AMERICAN = 2.9%
WHITE = 5%
ASIAN/OTHER = 2.5%

ATTENDANCE RATE

92.3%

GRADUATION RATE

91%

**STUDENT
ENROLLMENT
9-12 = 1,509
PK = 29**

ECONOMICALLY
DISADVANTAGED
STUDENTS

80.1%

EMERGENT BILINGUAL

27.8%

OPENED TO STAFF
& STUDENTS

AUG 2014



VISION TO REALITY: 3 KEYS TO SUCCESS

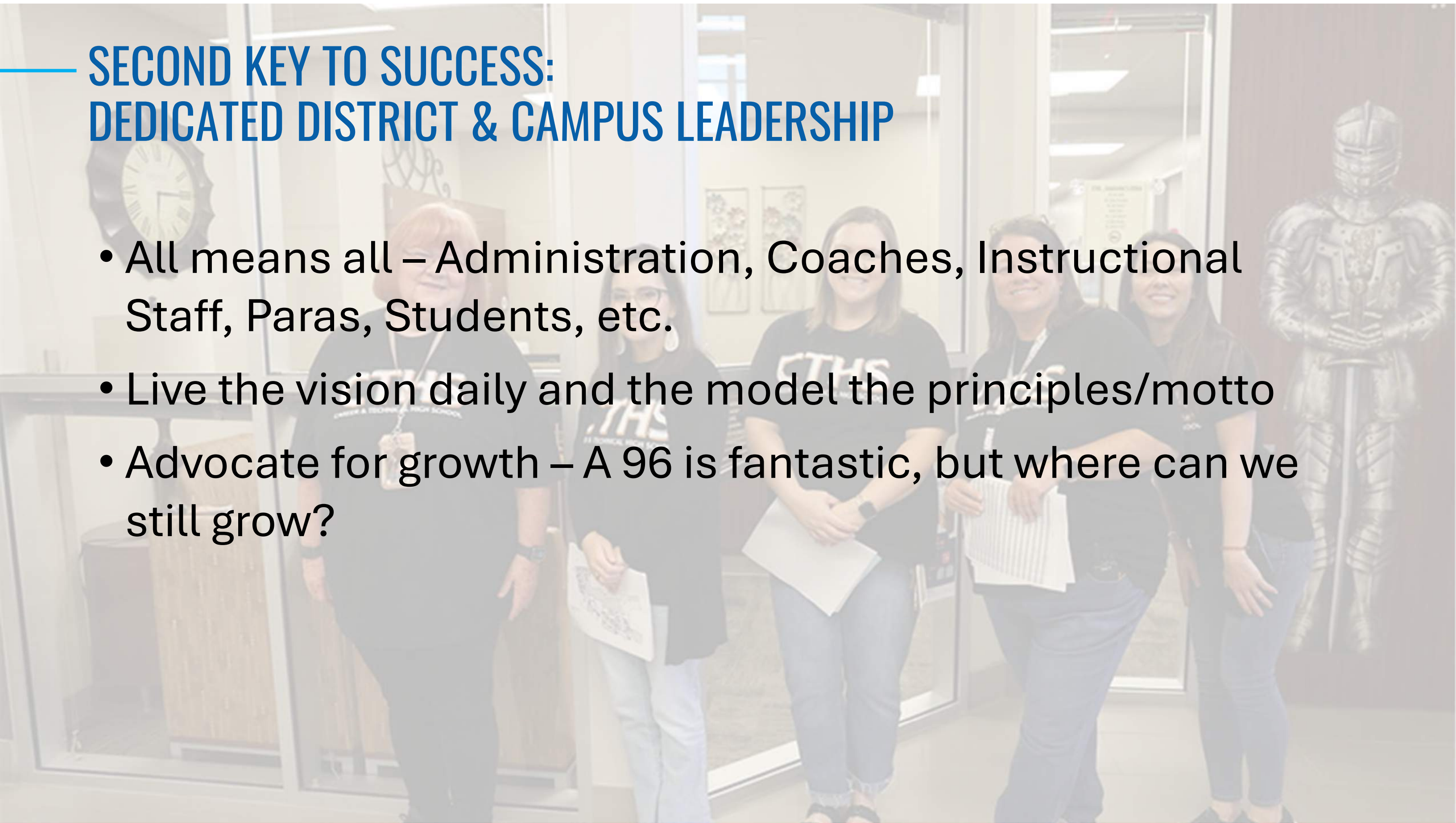
The background image shows two men in a workshop setting. On the left, a man with a beard and short brown hair is looking down at a wooden structure. On the right, a man with a beard and glasses is looking towards the camera. They are both wearing dark shirts. The workshop has a wooden floor and various tools and materials are visible in the background.

FIRST KEY TO SUCCESS: A SHARED VISION AND PURPOSE

- It takes a community to raise a school!
 - District administration, stakeholders, business partners
- **CTHS Vision Statement** – Empower students to successfully transition to the global community through unique educational experiences
- **CTHS Principles**
 - **C**ollaboration, **T**rust, **H**igh Expectations & **S**ervice
- **CTHS Motto** – Everyday is an Interview!

SECOND KEY TO SUCCESS: DEDICATED DISTRICT & CAMPUS LEADERSHIP

- All means all – Administration, Coaches, Instructional Staff, Paras, Students, etc.
- Live the vision daily and the model the principles/motto
- Advocate for growth – A 96 is fantastic, but where can we still grow?



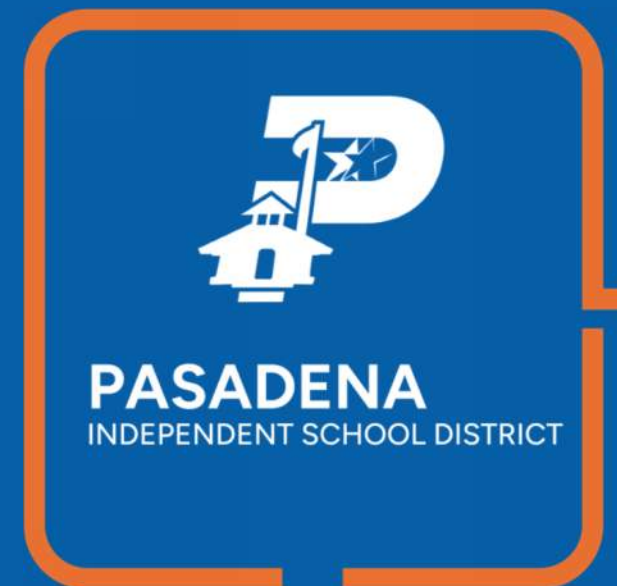


— THIRD KEY TO SUCCESS: ATTRACTING AND RETAINING STAFF & STUDENTS

- Yearly retention stays at or above 95%
- Building a culture of family and belonging
- Use your resources – Community and Business Partners

STEVEN FLEMING

INNOVATOR



BUILDING A CTHS CULTURE

CHANGE OVER TIME – Pathway Evolution from Opening to Today

HEALTH SERVICES ACADEMY

~~Certified Nursing Assistant (CNA)~~

Patient Care Technician (PCT)

Dental Assistant

Emergency Medical Technician
(EMT)

Pharmacy Technician

BUSINESS & HUMAN SERVICES ACADEMY

Business

~~Child Guidance~~

Education and Training

Cosmetology

Culinary Arts

Hospitality

Criminal Justice

AGRICULTURE ACADEMY

~~Floral Design~~

~~Horticulture & Landscape Design~~

Veterinary Assistant

TRANSPORTATION & SHIPPING ACADEMY

Automotive Technology

Automotive Collision

Maritime

Diesel

MANUFACTURING & CONSTRUCTION ACADEMY

Construction Technology

Welding

Electrical Technology

HVAC

TECHNOLOGY & ENGINEERING ACADEMY

~~Computer Maintenance & Networking~~

IT Services

Graphic Design

Audio & Video Production

Pre-Engineering

Computer Science



CAMPUS OF ACCOUNTABILITY

- CTHS became a campus of accountability in 2019
- Unique career and technical model



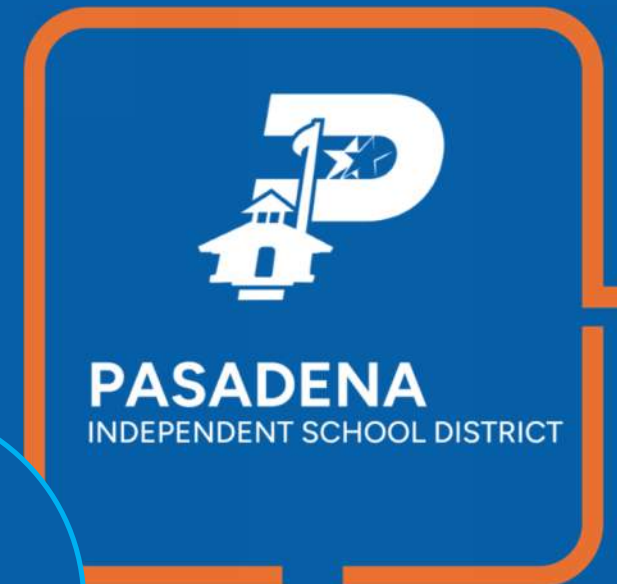
— LINKING LEARNING TO REAL LIFE

- On and off campus field experiences
- Industry based certifications
- Business partner advisories
- Internships



TANYA HAGAR

CTE LEADER



ALIGNING BEHIND OBJECTIVES

- Unique Experiences
- Program Pride
- Healthy Competition
- Prepared for Next Step



POWERFUL CERTIFICATIONS, POWERFUL TEACHING

- Teachers are Industry Experts
- Instruction Evolves with Industry
- Strategic Credentialing for Workforce Alignment
- Students Rise to the Challenge



CERTIFICATIONS EARNED IN
HEALTH SCIENCE

274

EMERGENCY MEDICAL TECHNICIAN
EKG TECHNICIAN
DENTAL ASSISTANT
PHARMACY TECHNICIAN





AMERICAN WELDING SOCIETY
CERTIFICATIONS

432

AUTO CERTIFICATIONS
ASE & iCAR

780

COSMETOLOGY LICENSES

261

LAW ENFORCEMENT CERTIFICATIONS
COUNTY JAILER & 911

441

MICROSOFT CERTIFICATIONS

291

NCCER CREDENTIALS

781

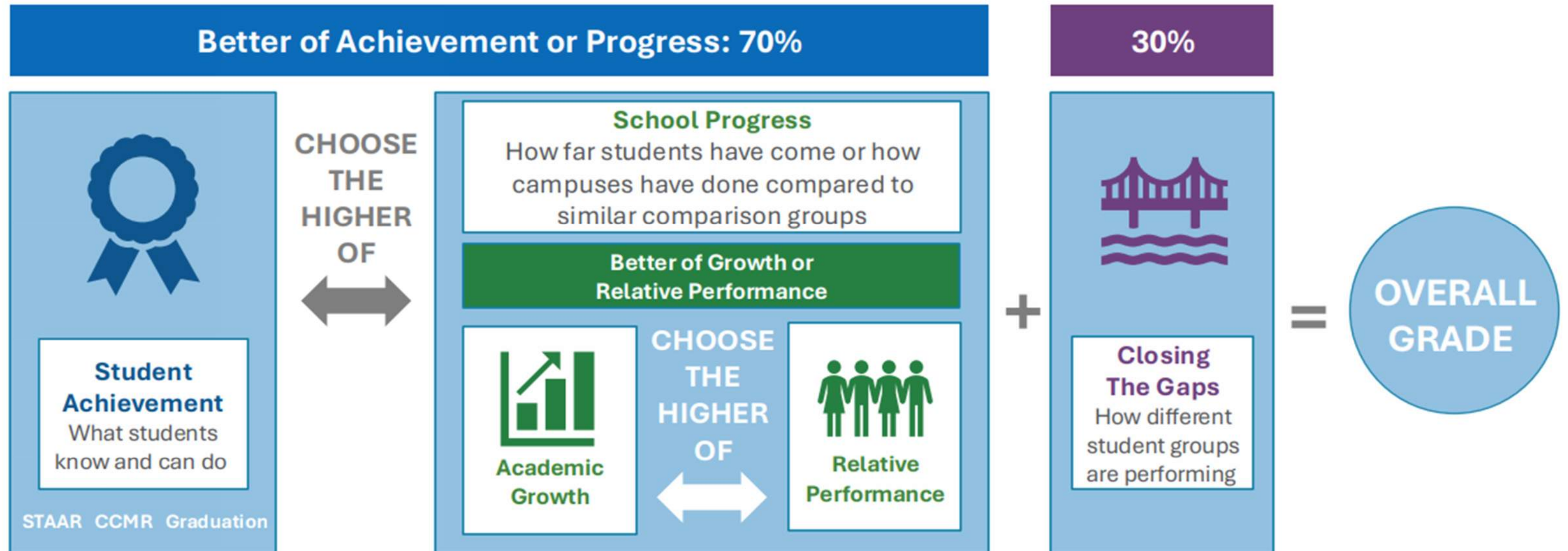


TOTAL CERTIFICATIONS
9,664
6,681 IN THE PAST FOUR YEARS!

DATA TELLS A STORY - REPORT CARD DATA



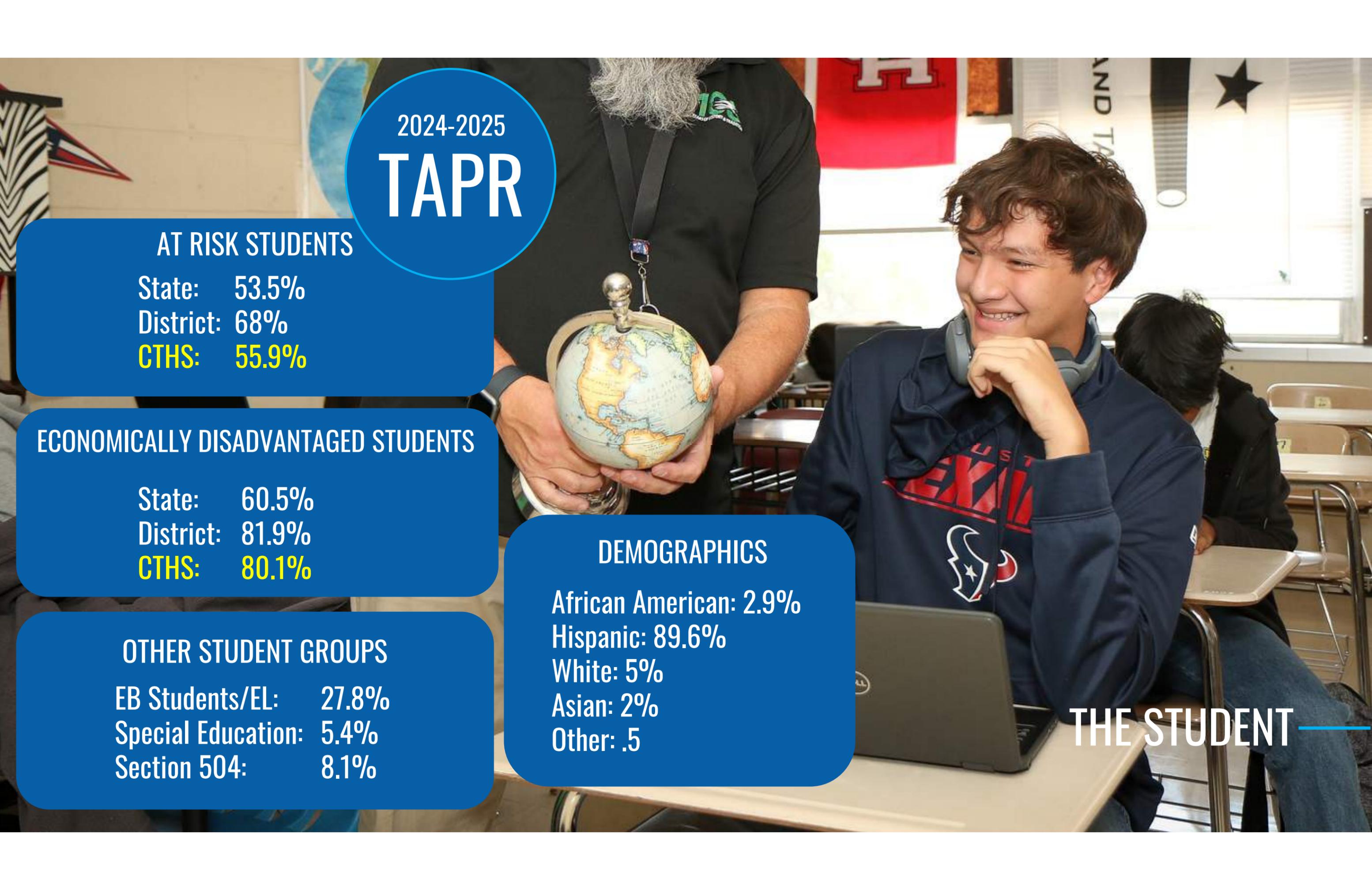
A-F RATINGS REFLECT THE BETTER ACHIEVEMENT OR PROGRESS



SOURCE: TEXAS EDUCATION AGENCY

TEXAS DISTRICT AND CAMPUS ACCOUNTABILITY RATINGS





2024-2025
TAPR

AT RISK STUDENTS

State: 53.5%
District: 68%
CTHS: 55.9%

ECONOMICALLY DISADVANTAGED STUDENTS

State: 60.5%
District: 81.9%
CTHS: 80.1%

OTHER STUDENT GROUPS

EB Students/EL: 27.8%
Special Education: 5.4%
Section 504: 8.1%

DEMOGRAPHICS

African American: 2.9%
Hispanic: 89.6%
White: 5%
Asian: 2%
Other: .5

THE STUDENT



135 Total Staff
97 Teachers
4 Assistant Principals
5 Counselors

TEACHERS BY HIGHEST DEGREE HELD

	No Degree	Bachelors	Masters	Doctorate
State:	2.4%	71.4%	25.4%	0.8%
District:	2.1%	74.8%	22.4%	0.7%
CTHS:	12.5%	60.8%	23.3%	3.4%

TEACHERS BY YEARS OF EXPERIENCE

	0 Yrs	1-5 Yrs	6-10 Yrs	11-20 Yrs	21-30 Yrs
State:	7.3%	28.3%	19.7%	27.6%	14.1%
District:	10.7%	23.3%	21.4%	29.7%	12.8%
CTHS:	4.6%	18.3%	29.8%	35.8%	10.4%

2024-2025
TAPR

ENGLISH I

State: 69%
District: 61%
CTHS: 85%

ENGLISH II

State: 72%
District: 65%
CTHS: 85%

US HISTORY

State: 95%
District: 94%
CTHS: 99%

ALGEBRA I

State: 78%
District: 79%
CTHS: 89%

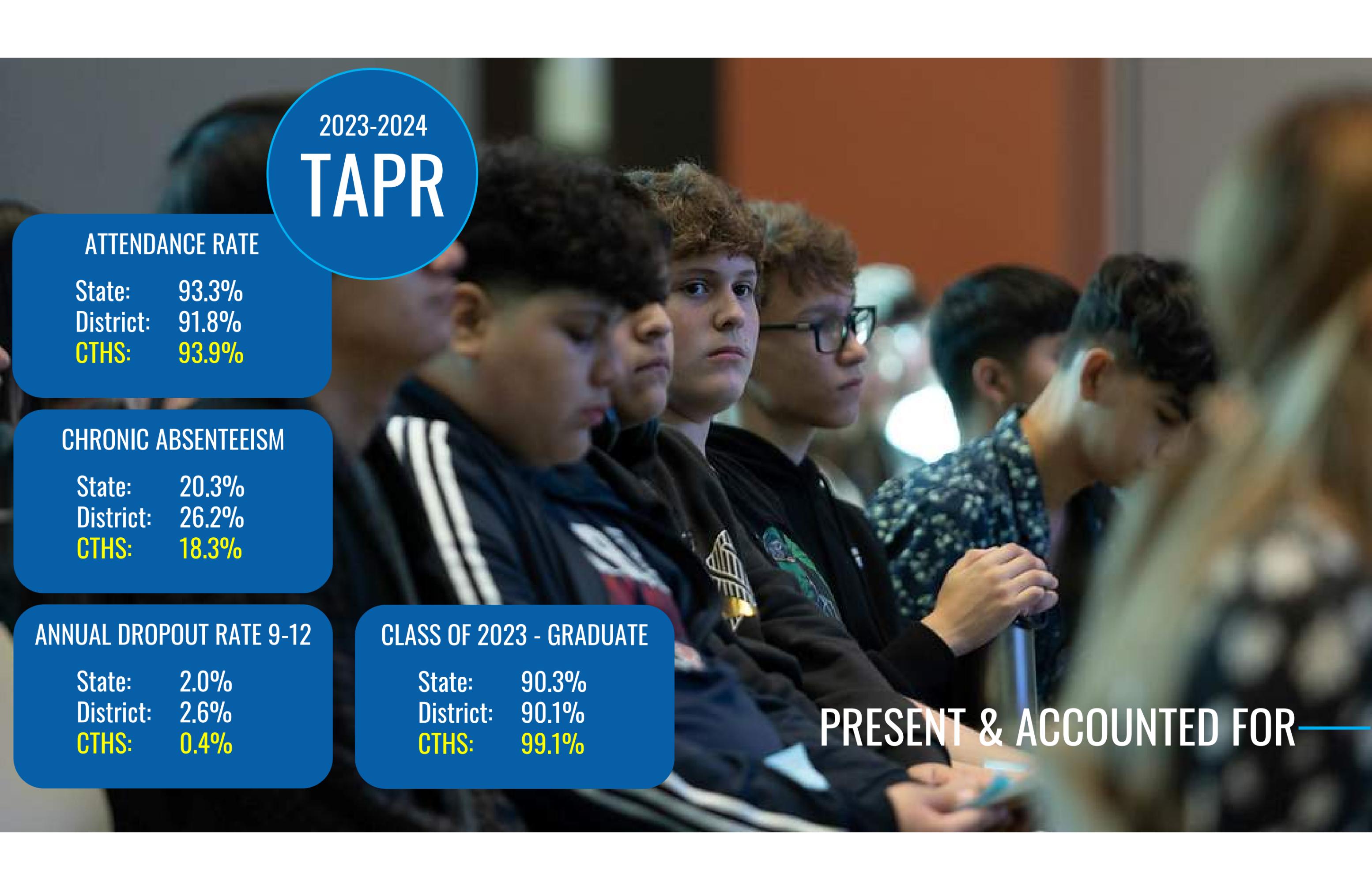
BIOLOGY

State: 92%
District: 90%
CTHS: 97%

**STAAR Performance Rates by Subject –
Approaches Grade Level or Above**

THE PERFORMANCE





2023-2024
TAPR

ATTENDANCE RATE

State: 93.3%
District: 91.8%
CTHS: 93.9%

CHRONIC ABSENTEEISM

State: 20.3%
District: 26.2%
CTHS: 18.3%

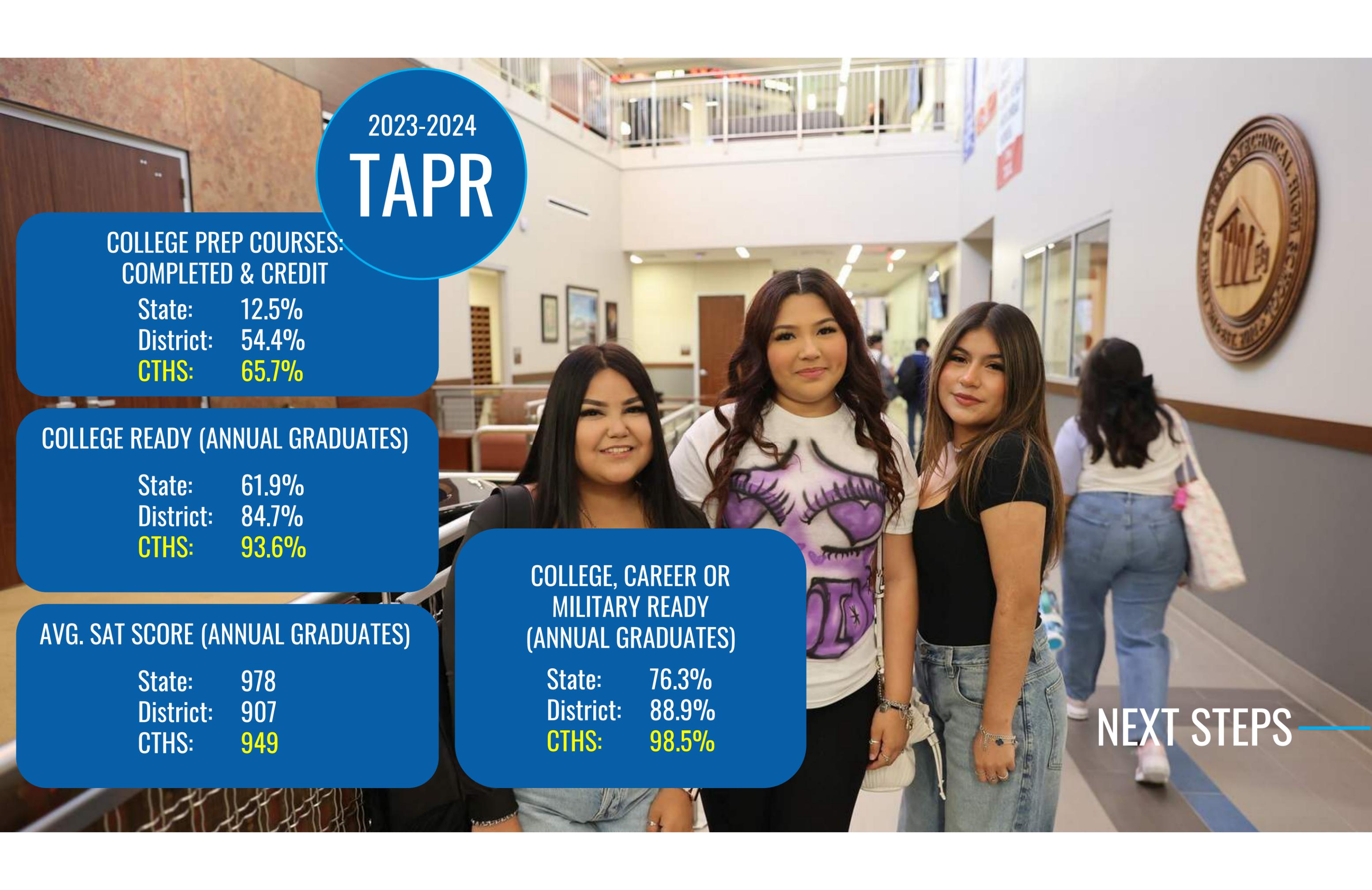
ANNUAL DROPOUT RATE 9-12

State: 2.0%
District: 2.6%
CTHS: 0.4%

CLASS OF 2023 - GRADUATE

State: 90.3%
District: 90.1%
CTHS: 99.1%

PRESENT & ACCOUNTED FOR



2023-2024
TAPR

**COLLEGE PREP COURSES:
COMPLETED & CREDIT**

State: 12.5%
District: 54.4%
CTHS: 65.7%

COLLEGE READY (ANNUAL GRADUATES)

State: 61.9%
District: 84.7%
CTHS: 93.6%

AVG. SAT SCORE (ANNUAL GRADUATES)

State: 978
District: 907
CTHS: 949

**COLLEGE, CAREER OR
MILITARY READY
(ANNUAL GRADUATES)**

State: 76.3%
District: 88.9%
CTHS: 98.5%

NEXT STEPS

INTERACTIVE EXERCISE

WHAT'S THE FORMULA FOR
CREATING A PATHWAY?



FUNDING

STUDENT INTEREST

INDUSTRY PARTICIPATION

SPACE

PASSIONATE TEACHER

**CREATING A FUNCTIONAL SPACE
THAT STANDS THE TEST OF TIME**





PROJECT SITE



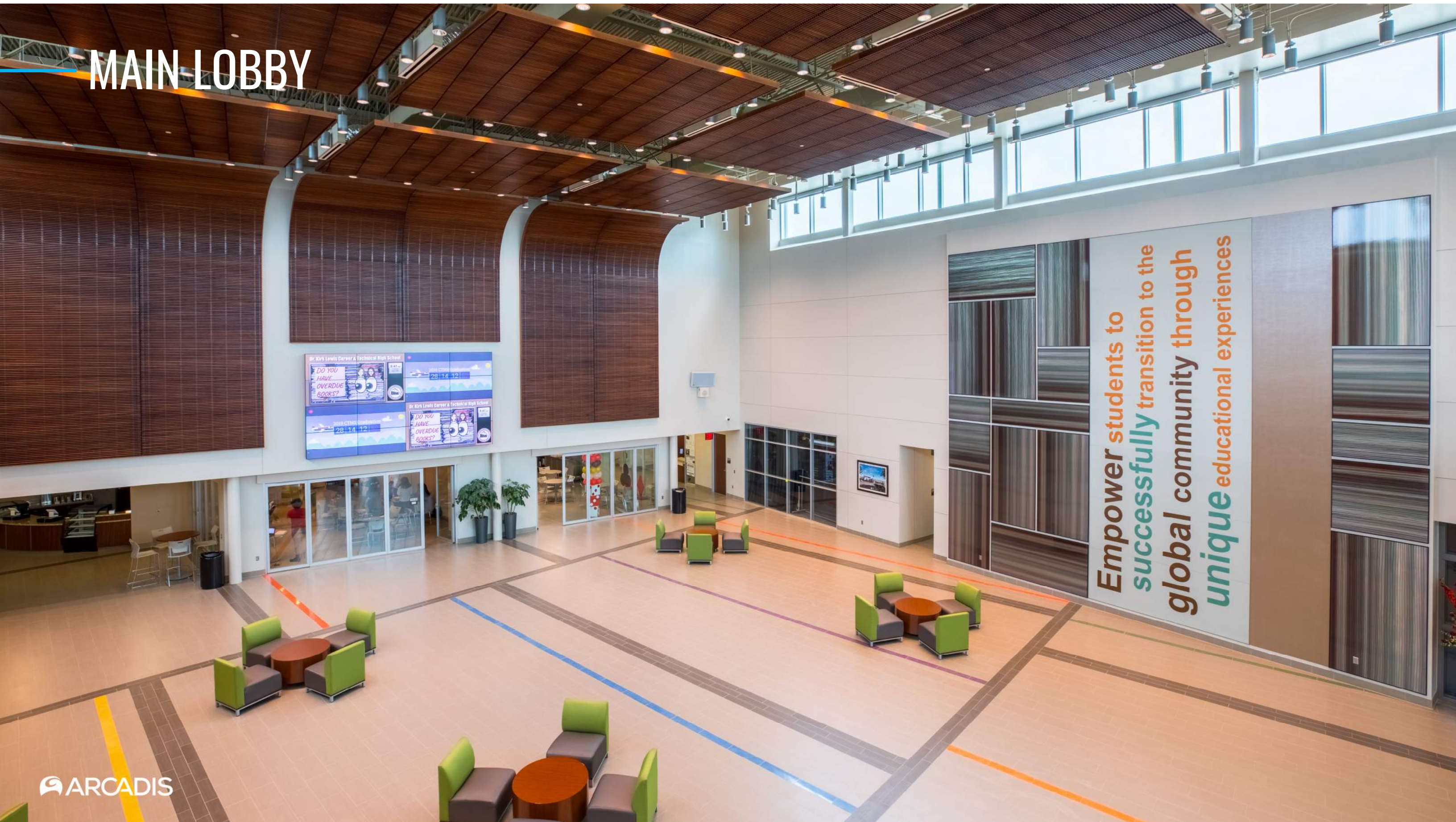
FIRST FLOOR



SECOND FLOOR



MAIN LOBBY



CAFETERIA

eat. drink. enjoy.

CAFETERIA

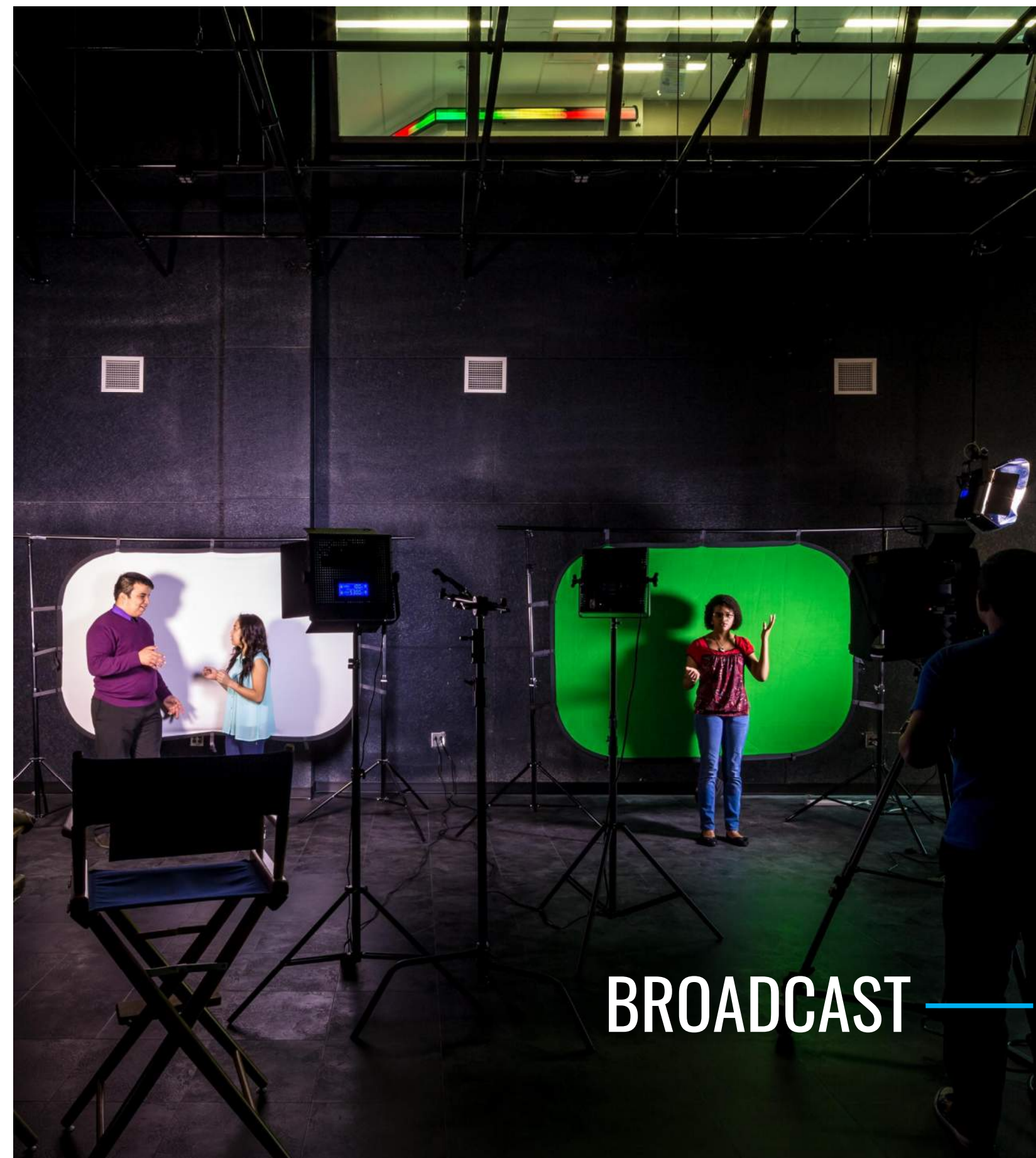


MISSION STATEMENT

Empower students to
successfully transition to the
global community through
unique educational experiences



ROBOTICS

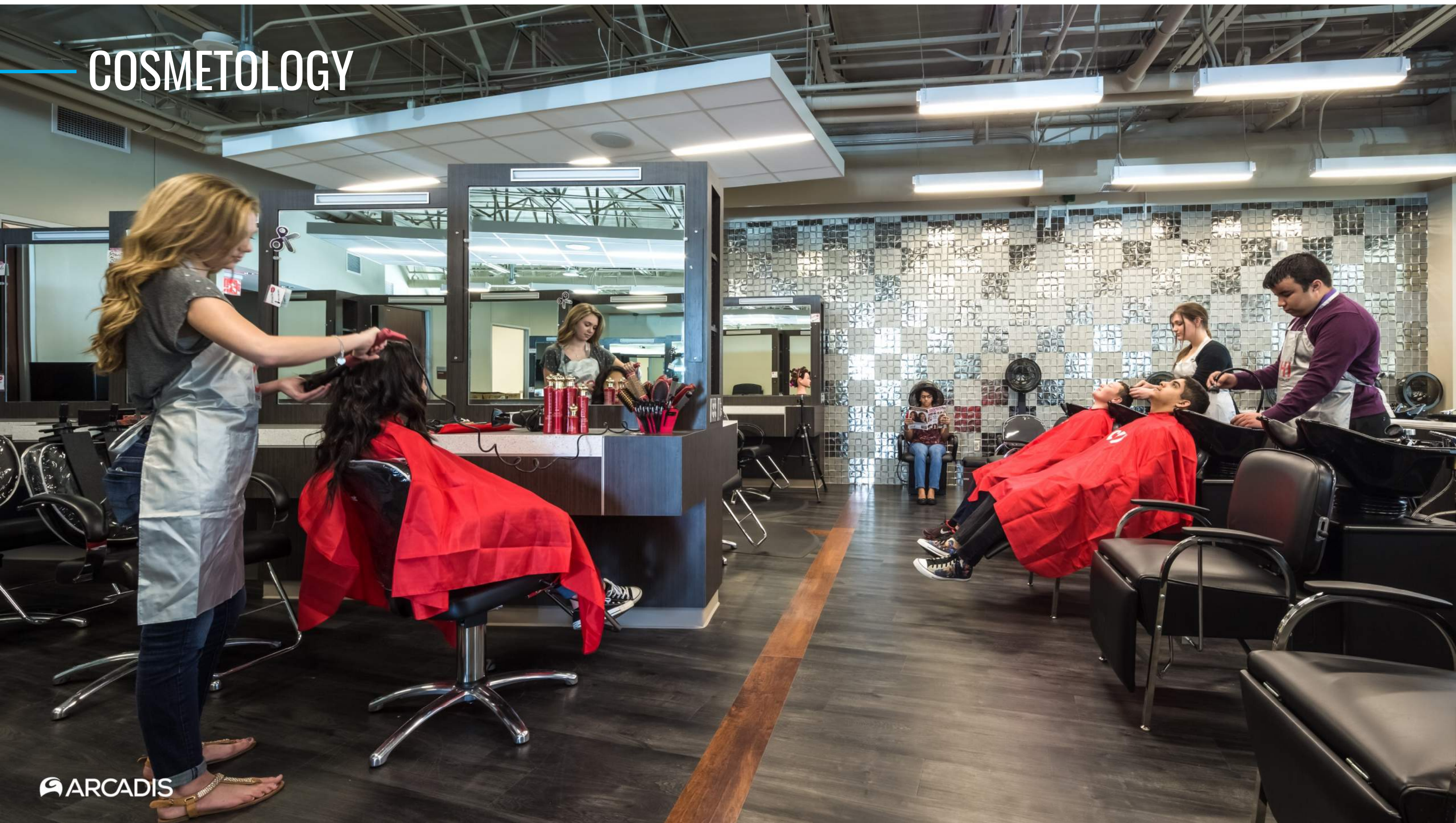


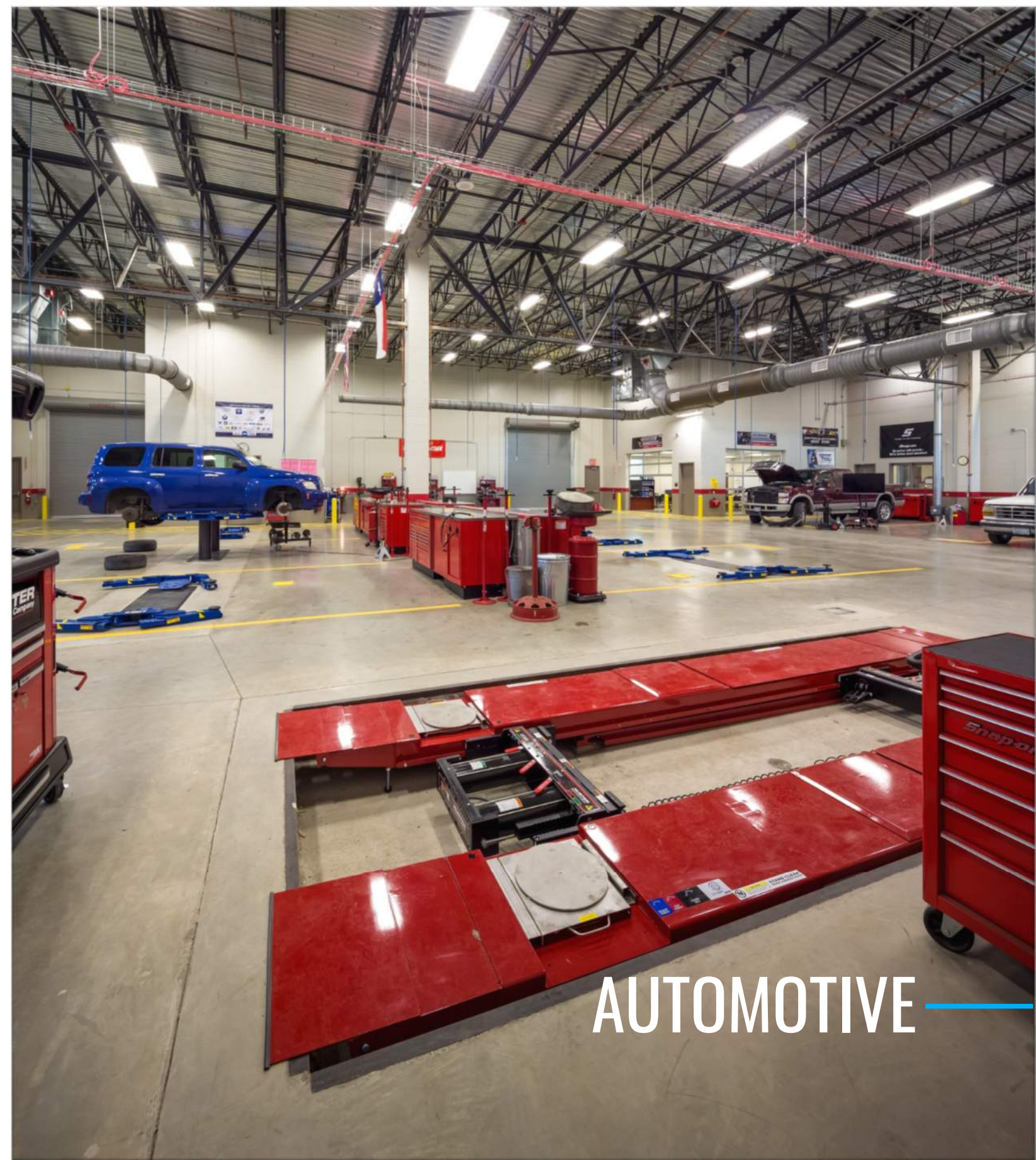
WELDING



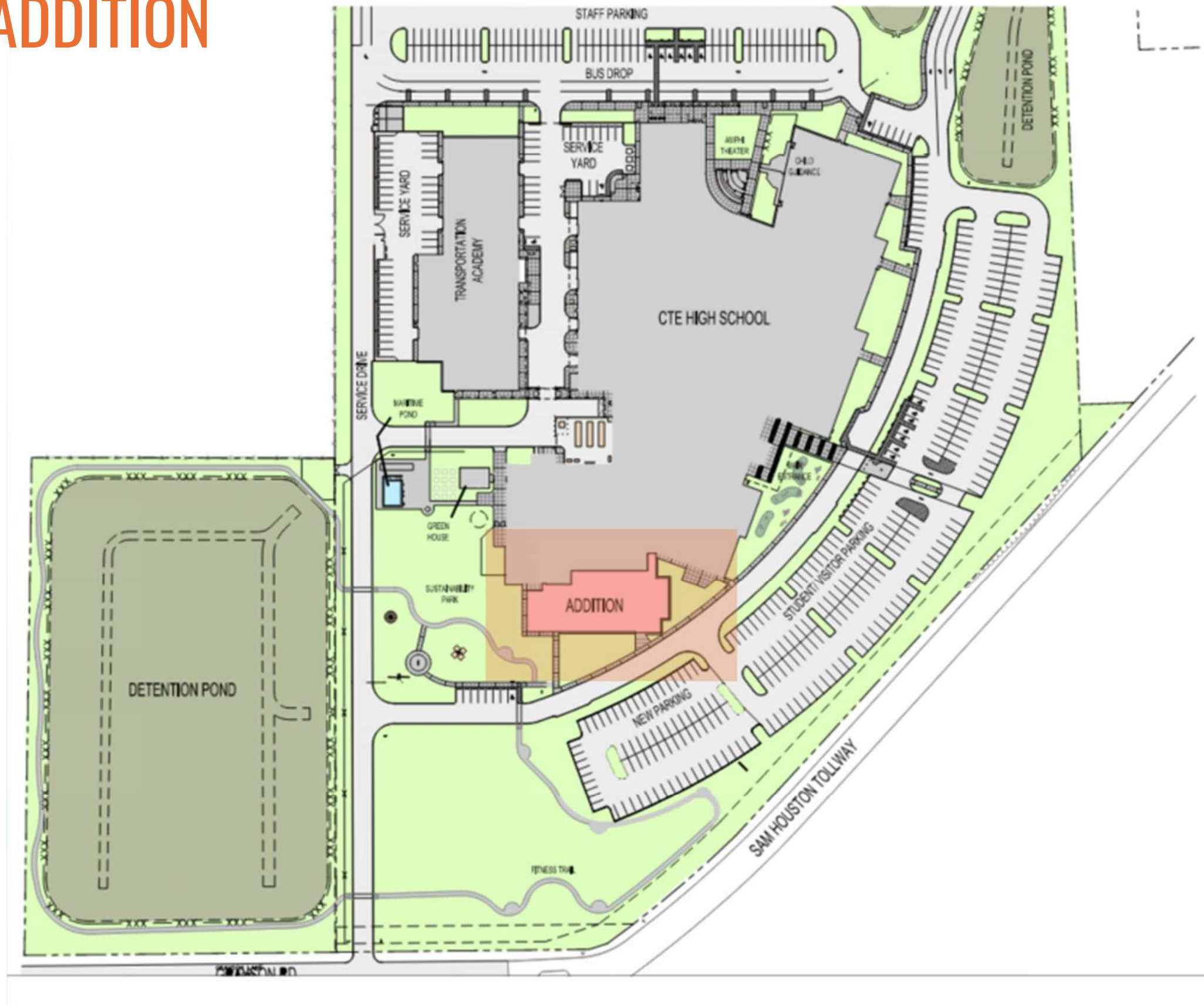
CULINARY

COSMETOLOGY





PROJECT ADDITION



FIRST FLOOR



SECOND FLOOR

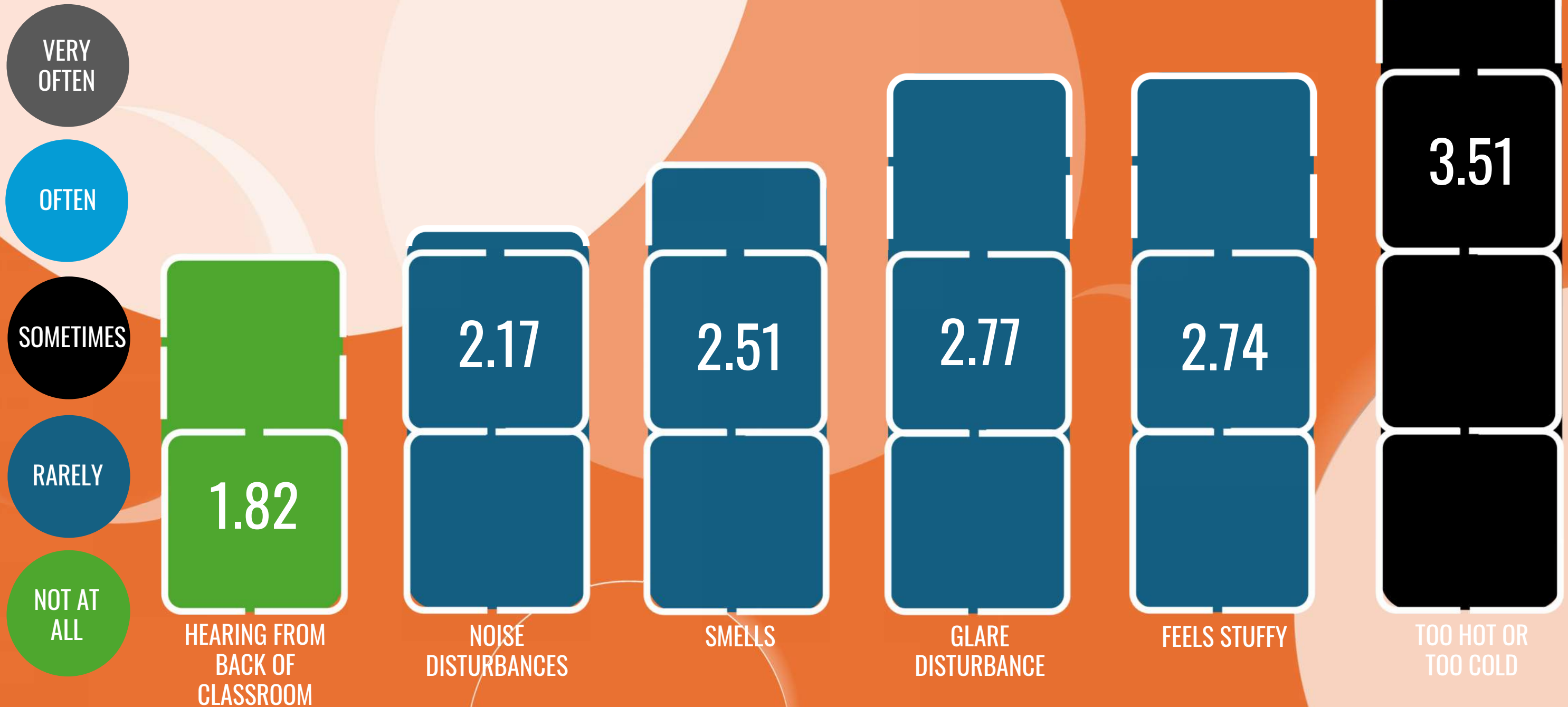


M+O CONSIDERATIONS



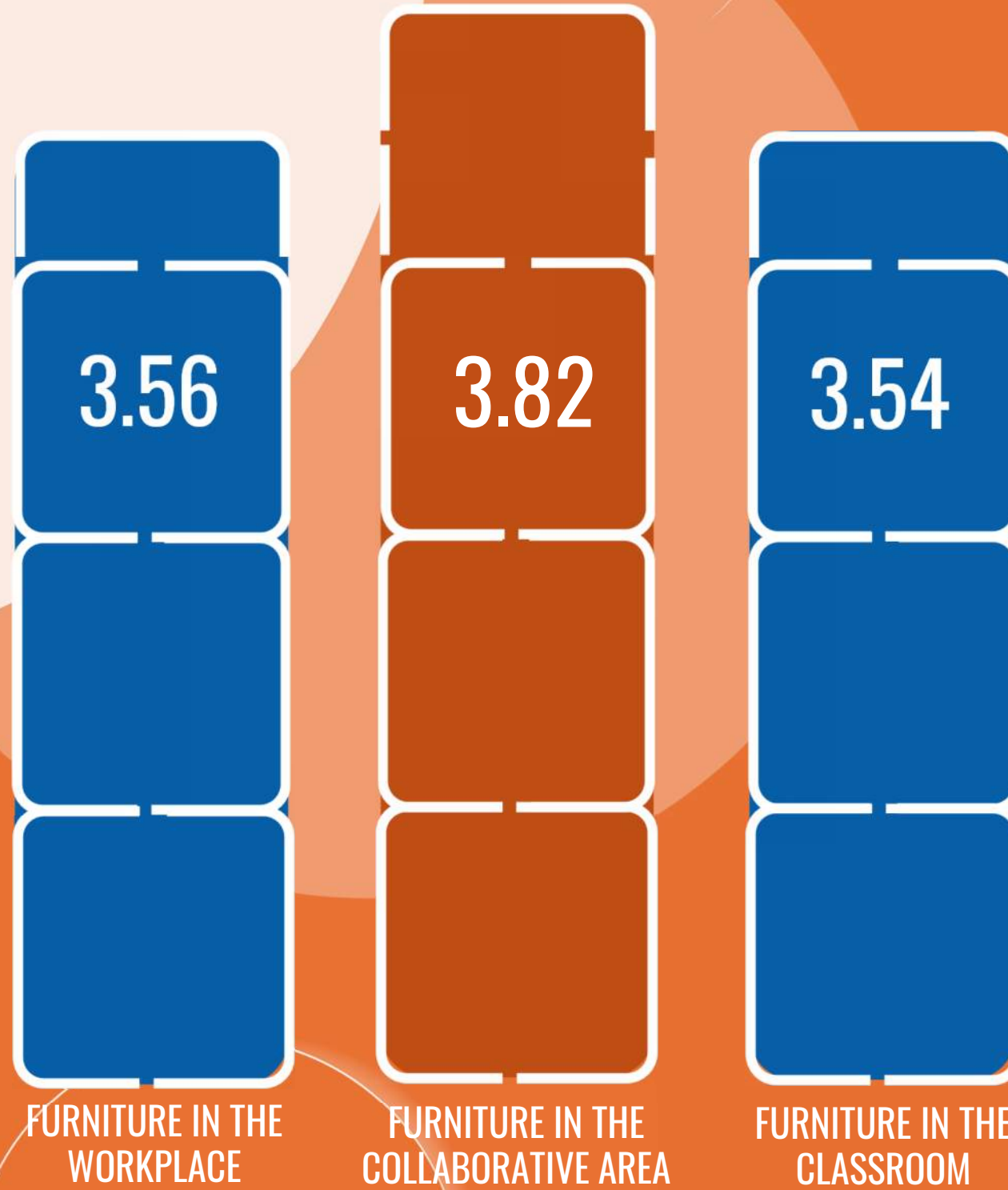
SPACE COMFORT ISSUES

THE PEOPLE SURVEYED: 35 TEACHERS (2024-2025)



FURNITURE STANDING THE TEST OF TIME

THE PEOPLE SURVEYED: 35 TEACHERS (2024-2025)



INSTRUCTORS THOUGHTS ON CLASSROOMS

THE PEOPLE SURVEYED: 35 TEACHERS (2024-2025)

VERY
OFTEN

OFTEN

SOMETIMES

RARELY

NOT AT
ALL

4.14

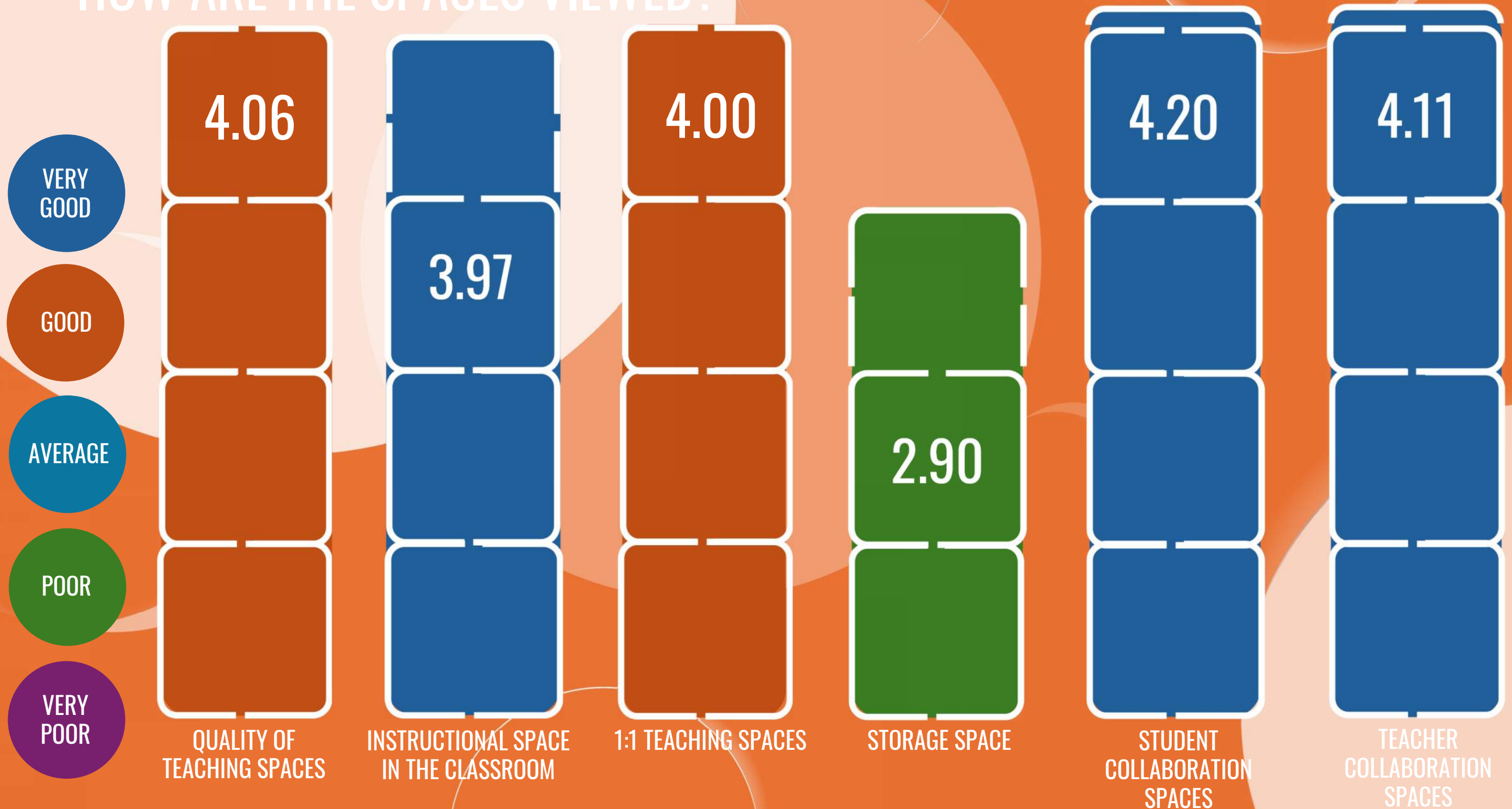
4.00

SUPPORTS MOST LESSON
PLANS AND CLASSROOM
CONFIGURATIONS

SUPPORTS MULTIPLE
TEACHING
METHODOLOGIES

HOW ARE THE SPACES VIEWED?

THE PEOPLE SURVEYED: 35 TEACHERS (2024-2025)



SUSTAINABLE ELEMENTS —



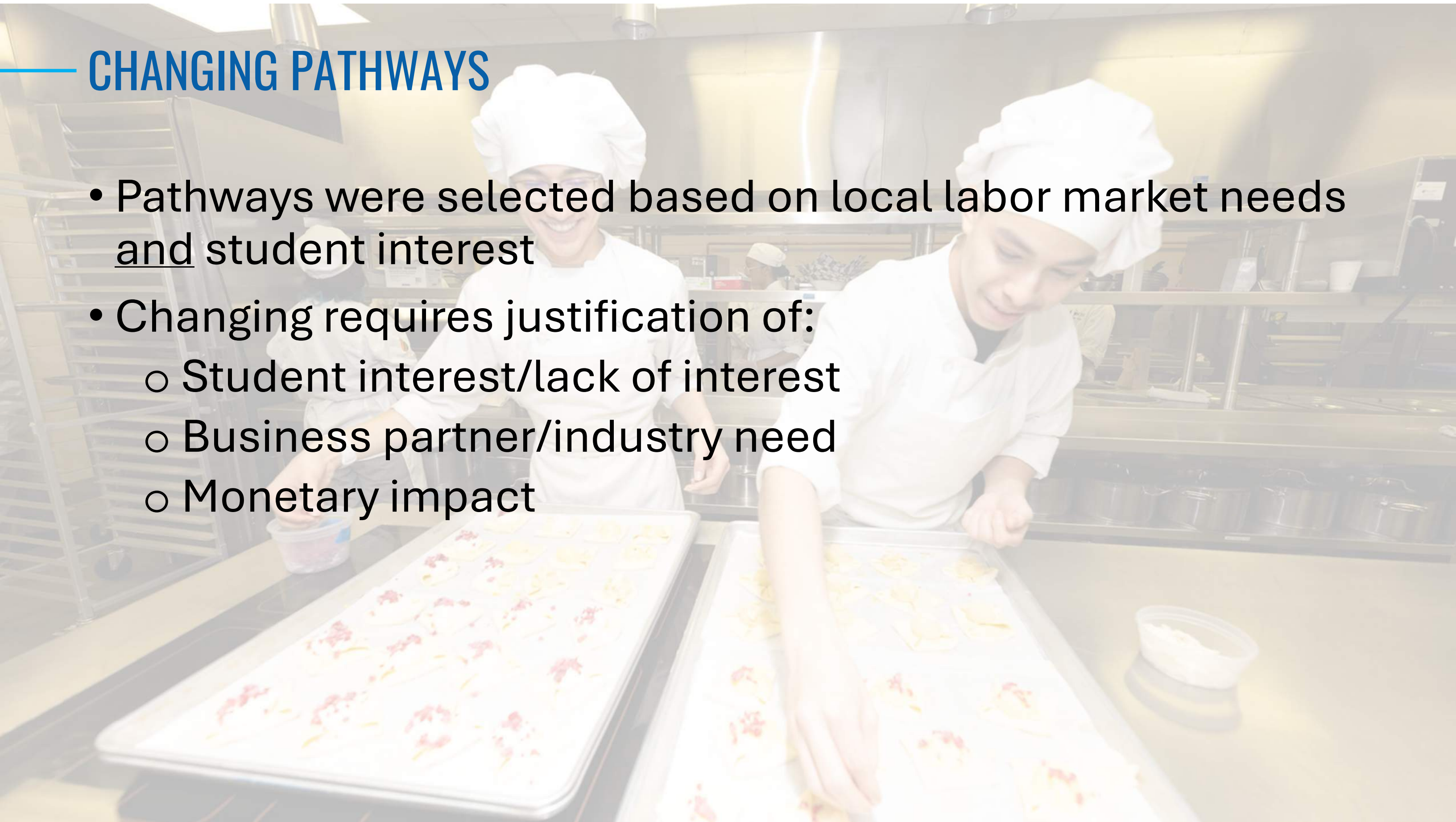
COSTS

INTERACTIVE EXERCISE

DESIGN PRINCIPLES FOR THE FUTURE:
DEVELOP 3-5 GUIDING PRINCIPLES FOR
FUTURE-PROOFING A FACILITY.

CHANGING PATHWAYS

- Pathways were selected based on local labor market needs and student interest
- Changing requires justification of:
 - Student interest/lack of interest
 - Business partner/industry need
 - Monetary impact



FUTURE FORECASTING OF PATHWAYS

- Driven by industry demand
 - High wage, high demand occupations



LESSONS LEARNED



Using the traditional formula for
classroom count did not work.



- Uncertainty existed about which students the school would serve (juniors and seniors or grades 9–12).
- Initial information indicated all teachers would float and every classroom would be filled every period.
- This scenario never became reality.
- More definitive input would have been beneficial.
- Both issues significantly impacted the number of academic classrooms needed.



Physical Education in CTE Programming

- Materials: Cinderblock/Concrete vs. Sheetrock
- Flexible Programming



ISC Classroom

High schools, regardless of school of choice designation, must have a space to pull out students needing extra disciplinary time and space away from the core classroom.



Tech = More Monitors

- Pay to replace the monitors (shelf life).
- Software used is expensive.
- Big holes in the wall.



Fishbowl the Programming Differently

Opportunity to flip the classroom and lab space.



More Campus Storage Space

- More campus-specific storage needed
- Buy and store replacement materials



Implementation vs. Programming: Wasted Space

- Wasted space | Reception areas of pathways



Instructional Walls

- No bathrooms sharing instructional walls
- No space between instructional walls in new wing



Parking



Sustainability Elements

Wind Turbine, Solar Panels, Greenhouse, etc.

WHAT WE DID WELL



Design: Special Environment for Staff and Students



CTE Labs Have Classroom Space



Collaborative Spaces



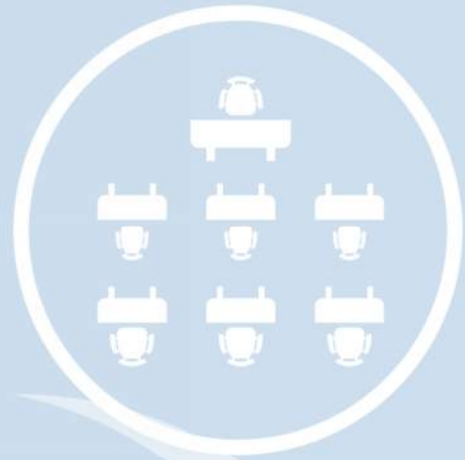
Classroom Visibility



Flex Spaces



Low Maintenance Materials



Furniture Setting the Standard



Architectural Benchmark



Student Empowerment

- Social Media Engagement
- Sense of Pride
- Meaningful Experiences



This Building Matters

QR CODE

QUESTIONS?

