



Career & Technical Education

Annual CTE Update
October 21, 2024



Agenda

- CTE Update
 - 2023-24 CTE in Review
 - CCMR Impact
 - TECC Updates
 - Looking Ahead
 - Innovative Courses
- Business Partnerships Update





Career & Technical Education



2023-24 CTE in Review

CTE Program Accolades: Main HS Campuses

- Guinness World Record: Largest Homecoming Mum
 - Abby Winston - LHS
- LHS School of Real Estate
- FMHS Robotics:
 - 6A UIL State Champions
 - FTC State Champions
 - First Global Competition - Athens, GR
- LHS INCubator - GRIT Award
- 5 LLC's formed in INCubator
 - LHS - 3
 - TCHS - 2





CTE Employee Accolades

Campus TOY:

- Tracey Bell - Downing MS
- ***Casey McCluskey** - Marcus HS
 - *District TOY Finalist
- Kari Nathan - TECC-East
- Gina Parry - TECC-West



Campus New TOY:

- Maddie Turek - LHS-Killough

CTENT (CTE North TX) Award Winners

- Jason Cooper: Administrator of the Year
- Claudia Bell (FMHS): Teacher of the Year
- Michael Depauw (TECC-W): New Teacher of the Year



Summer 2024

- Professional Learning:
 - LISD MS Culinary Workshop
 - Region 11 AWS Training
 - FTC Robotics Training
 - Career Cluster Curriculum sessions
- Summer Camps:
 - Cooking Camp - MHS
 - Robotics Camp - LHS
 - Welding Camp - TECC-W



Continued Outreach

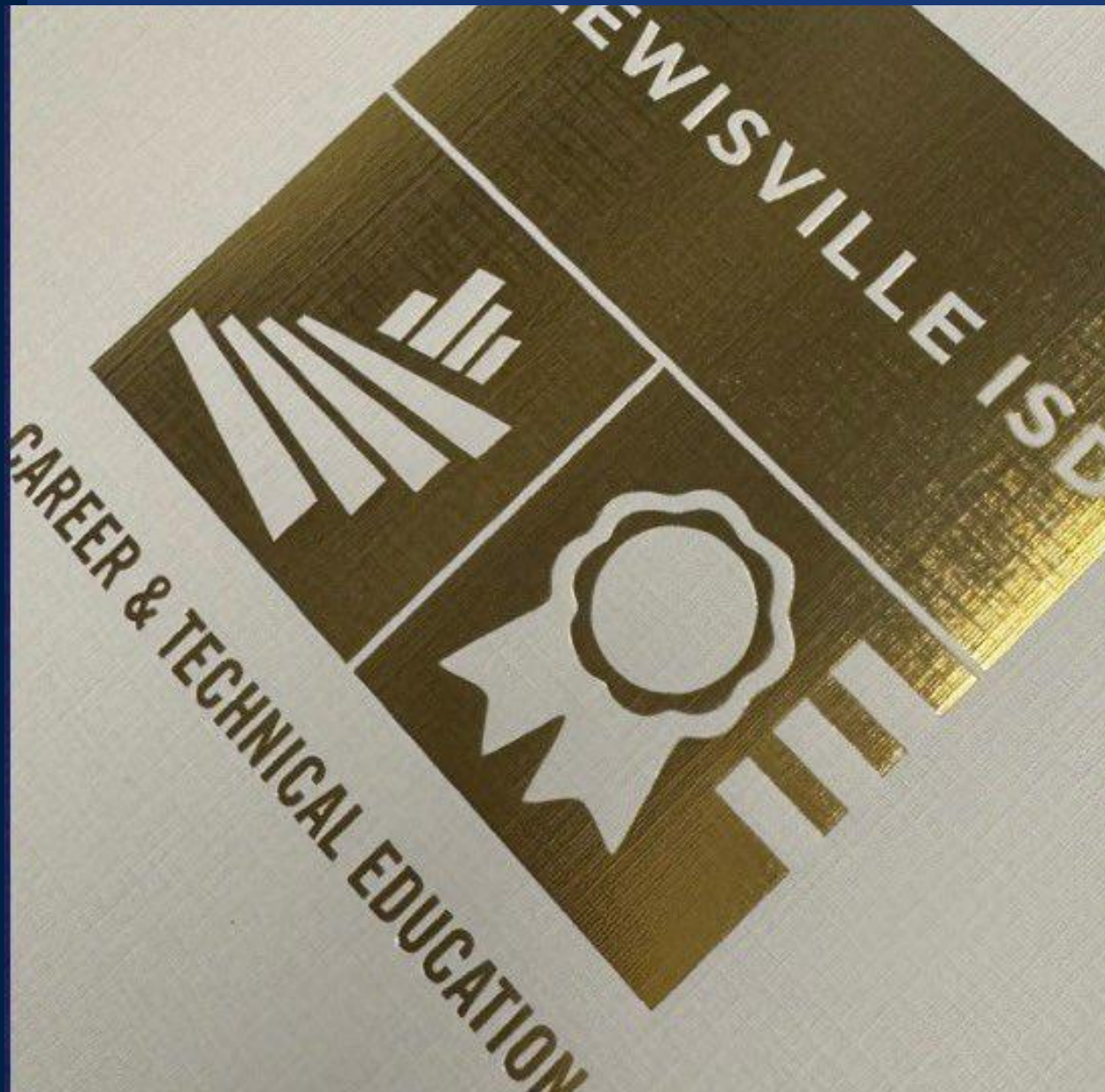
- Events that continued in 2023-24:
 - CTE Leadership Academy (2nd cohort)
 - CTE Community Information Sessions at Spring TECC Community Nights
 - K-12 Counseling Partnerships
 - K-8 Career Days/Feeder Pattern Nights



Advocacy & Involvement


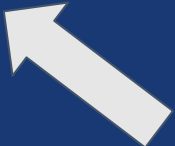
- Program of Study Student Forum with TEA
 - LISD hosted at TECC-W in February
- TEA CTE Leadership Committee
 - Region 11 representative
- CTENT Board of Directors
- Interlink Executive Committee
- North Texas Regional P-16 Council





CCMR Impact

IBC Phase-in Timeline

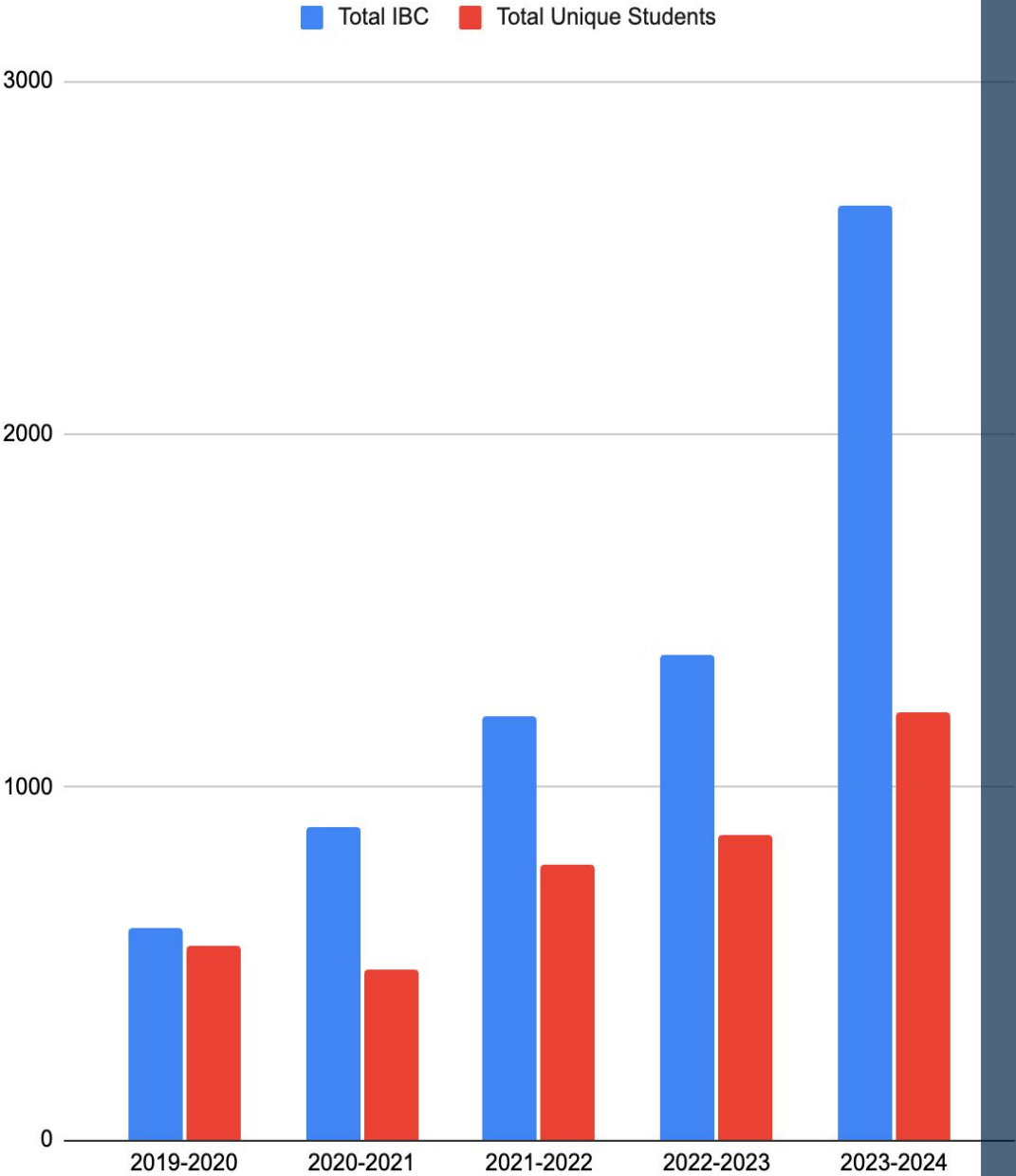
<p>2024 graduates</p>	<p>Earn Industry Based Certification + 1 course in aligned Program of Study (Level 2 or higher)</p>
<p>2025 graduates</p> 	<p>Earn IBC + Concentrator</p> <p>2 or more courses for 2 or more credits within the same Program of Study</p>
<p>2026 graduates</p> 	<p>Earn IBC + Completer</p> <p>3 or more courses for 4 or more credits within the same Program of Study, including 1 or more Level 3 or Level 4 course</p>



Industry Based Certifications (IBC)

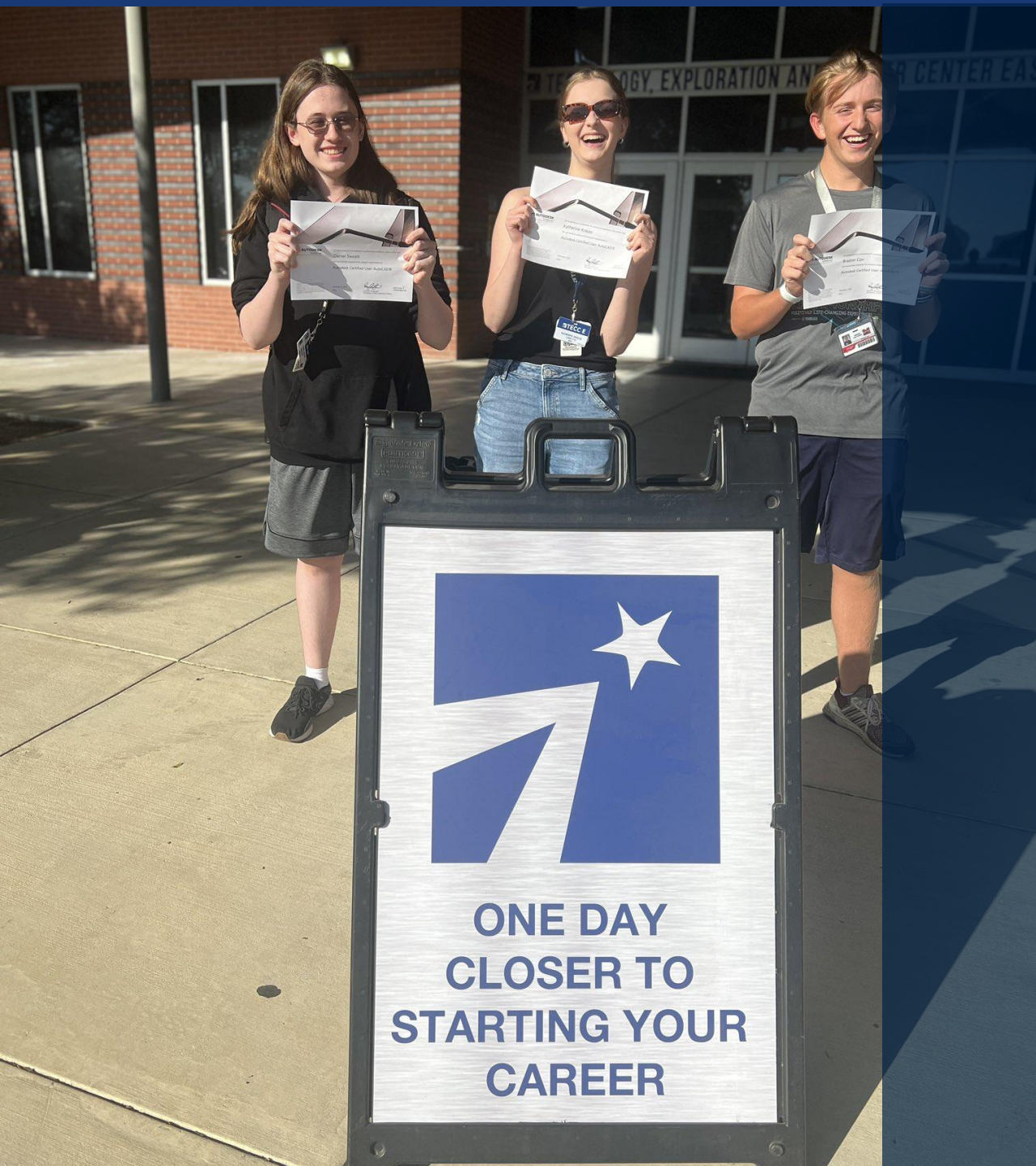
- 2023-24 Reported Certifications
 - **1213** students earned at least one IBC
 - 579 Graduating Seniors
 - **2646** Total IBC Qualifying Certifications Earned
 - 146 were new IBCs piloted at the main campuses in 2023-24!

Total IBC and Total Unique Students



IBC Trends

	<u>Total IBC</u>	<u>Total Unique Students</u>
2019-2020	601	549
2020-2021	884	481
2021-2022	1200	782
2022-2023	1373	863
2023-2024	2646	1213



IBC - Class of 2024

- 2023-24 Reported Certifications
 - **847** Graduating Seniors earned at least one IBC in grades 9-12
 - **668** Graduating Seniors earned CCMR through this criteria
 - Earn IBC + 1 course in aligned Program of Study (Level 2 or higher)

CCMR Focus

- Career & College Exploration Course Pilot
 - Delay MS
 - Durham MS
 - Lakeview MS
 - Lamar MS
- Continue to:
 - foster 6-12 CTE vertical alignment
 - evaluate opportunities for MS entry points into a Program of Study
 - Intro to Culinary Arts
 - *Intro to Robotic Engineering - new!*
 - Principles of Arts, A/V
 - Principles of Human Services
 - increase IBC opportunities at the main HS campuses
 - collaborate with counselors
 - educate our CTE teachers on their impact



2023 EDUCATION EDITION



Welders work on a project in a career and technical education program in Lewisville ISD. (Courtesy Lewisville ISD)

Districts meeting demand for local CTE programs

BY DESTINE GIBSON AND DON MUNSCHE

Student participation in career and technical education, or CTE, courses in both Argyle and Lewisville ISDs is growing.

Each district strives to help students find work and skills they desire, leading to experience that will put them in demand by employers some day, officials said.

CTE courses provide relevant technical knowledge and skills needed to prepare for further education and careers in established or emerging professions, according to the Texas Education Agency.

The state has 14 areas of CTE programs of study, including everything from agriculture, food and natural resources to business, marketing and

finance to health science.

LISD has two career centers—the Technology, Exploration and Career Center East; and the Technology, Exploration and Career Center West—and students can also take CTE courses at LISD's five main high school campuses.

“Very few [Texas school districts]

CONTINUED ON 18



Parlor Doughnuts coming to Flower Mound 4



Doggy Dive announced for September

2023 EDUCATION EDITION

View school district data 13



Local restaurant was 18 years in the making 21



Join to receive
exclusive
Saturday news
and swag.



TECC Updates

TECC Waitlists

Waitlists of more than 24 students
(one full section):

<u>Program</u>	<u>21-22</u>	<u>22-23</u>	<u>23-24</u>	<u>24-25</u>
Health Science Level 1	27	29	26	*164
Cosmetology	27	5	55	57
Welding	69	120	32	51
Ag Mechanics	0	1	6	31

Waitlist Reductions:

New Dental instructor:

- 3 sections Level 1
- 1 section Dental

New Diesel instructor:

- 3 sections Auto Level 1
- 1 section Diesel

TECC-E A/V Unit:

- 2 sections Video Game Design
- 2 sections A/V

TECC-W A/V Unit:

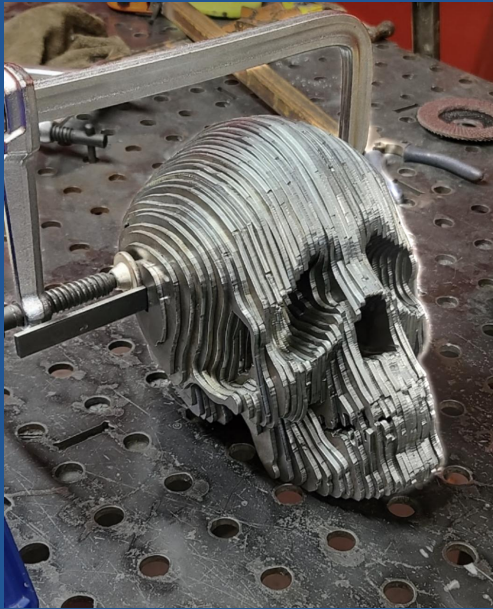
- 3 sections A/V
- 1 section Cybersecurity

TECC-W Horticulture Unit:

- 1 section Horticulture
- 1 section Floral Design
- 1 section Animal Science
- 1 section of Principles of Ag

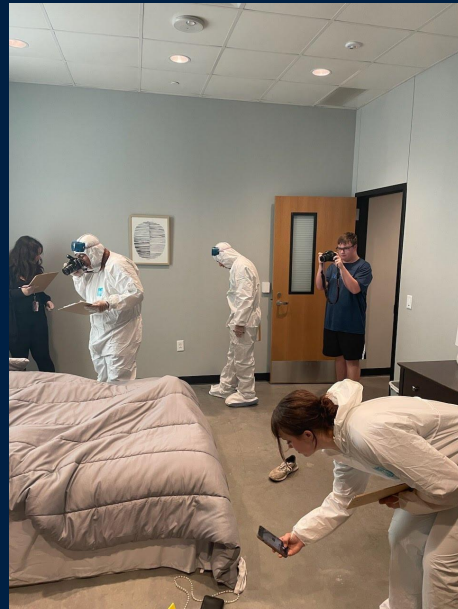
TECC-W Culinary:

- Converted Hospitality Unit
- Added sections to Cafe Manager



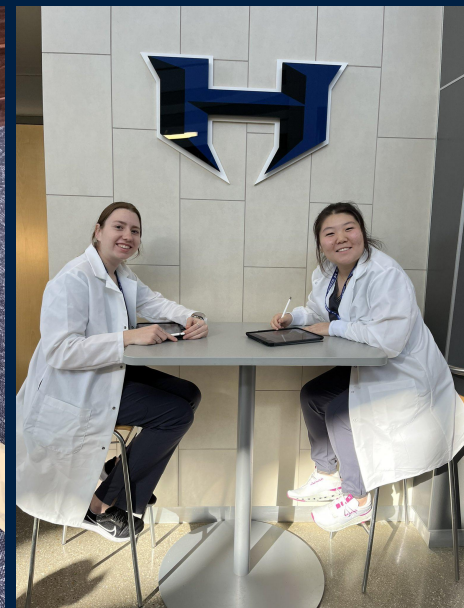
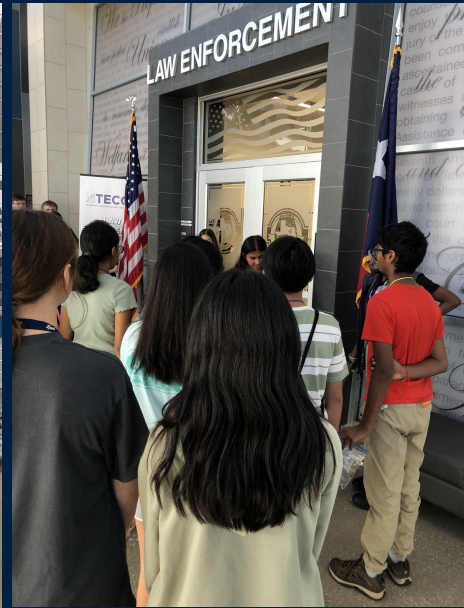
TECC-W Updates

- 100% Teacher Retention from 2023-24
- Largest fall enrollment in history of campus (810)
- Mike Rowe Works Foundation Work Ethic curriculum for all students on campus
 - Only HS in Texas implementing this curriculum!
- SkillsUSA Competitors
- Record number of IBCs



TECC-E Updates

- One Teacher Vacancy (retirement) from 2022-24
- Largest fall enrollment in history of campus (720)
- Progress on 2017 bond final project





TECC-E 2017 Bond Progress

- Completed Tasks!
 - Dental Lab Renovation
 - New Instructors Hired
 - All Kubota equipment ordered
- Pending Tasks:
 - Automotive/Diesel Lab - est. March 2025
 - Welding Lab - est. August 2025
 - Kubota Instructor Training - October 2024



TECC E

Mrs. Maldonado

Health Science Instructor

Post Secondary Education: TWU - B.S.
Strayer University - MEd. - Leadership

Fun Fact: Started playing soccer at the age of 15. After a few years of practice and determination, I was playing for TWU. Hard work pays off!!



TECC E

Mr. Evans

Automotive Technician Instructor

Post Secondary Education: BAAS
University of North Texas

Fun Fact: I love golf and Hot Rods.





every
ONE

Looking ahead
(2024 & Beyond)

Middle School Tours

- Moved from 7th to 8th grade
 - Closer to 9th grade registration
 - More intentional program exploration
- Communication is being sent home to the families the day of the tour with follow up links and an invite to the spring TECC Community Nights
 - TECC-E: 1/14/25 (5:30-7pm)
 - TECC-W: 1/16/25 (5:30-7pm)



BUILDING TRADES



Innovative Courses

<u>Innovative Course Title</u>	<u>CTE Cluster (Program)</u>
Computer Aided Drafting for Architecture	Architectural Drafting & Design
Dental Anatomy & Physiology	Health Science (Dental)
Dental Equipment & Procedures	Health Science (Dental)
Introduction to Dental Science	Health Science (Dental)
Kinesiology I	Health Science (Sports Medicine)
Kinesiology II	Health Science (Sports Medicine)
Principles of Biomedical Science	Health Science (Biomedical)
Tourism Marketing Concepts & Applications	Hospitality & Tourism

- Recall: Innovative courses must be approved by the board, even if we decide not to implement in the immediate future. Prior to implementing any innovative courses, we work to ensure the following:
 - Minimal cost of implementation
 - Minimal changes to classroom/lab space
 - Minimal effect to staffing and course loads
 - Appropriate alignment to Program of Study completion
 - Sustainable interest
 - Proactive vs. Reactive planning

Thank you!





Business Partnerships

- Connecting businesses to LISD classrooms.
- Preparing the future workforce.

**STUDENT
LEARNING**



**STUDENT
EXPERIENCE**



**RESOURCE
STEWARDSHIP**

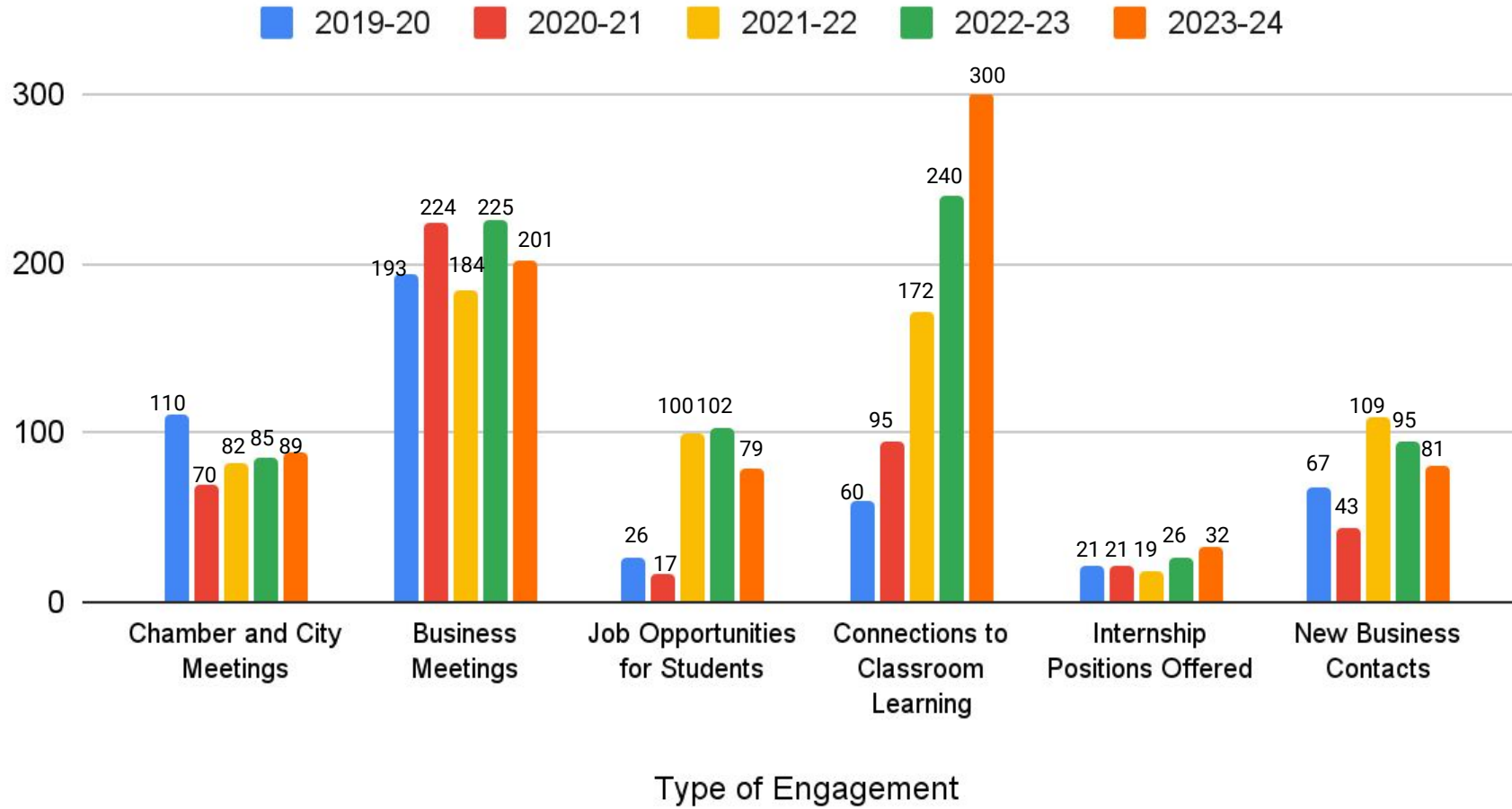


**COMMUNITY
ENGAGEMENT**

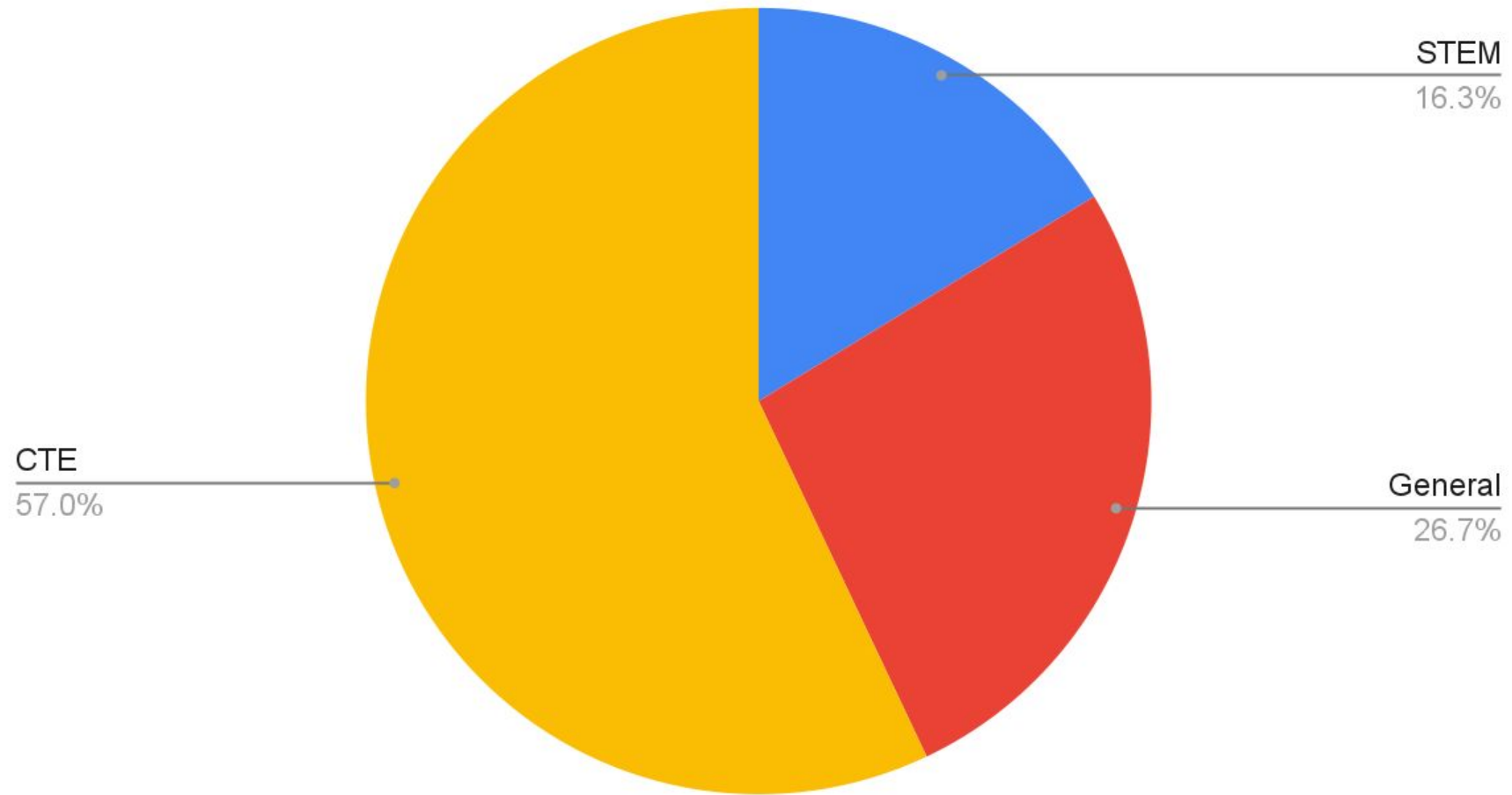
Partnerships Update Overview

- Year-end Numbers
- Career Out Celebrations
- Classroom Connections
- Site Visits
- Junior Leadership Flower Mound
- STEM Support
- Tech Titans
- Career Opportunities for Students
- VOLY update
- Looking ahead to '24-'25

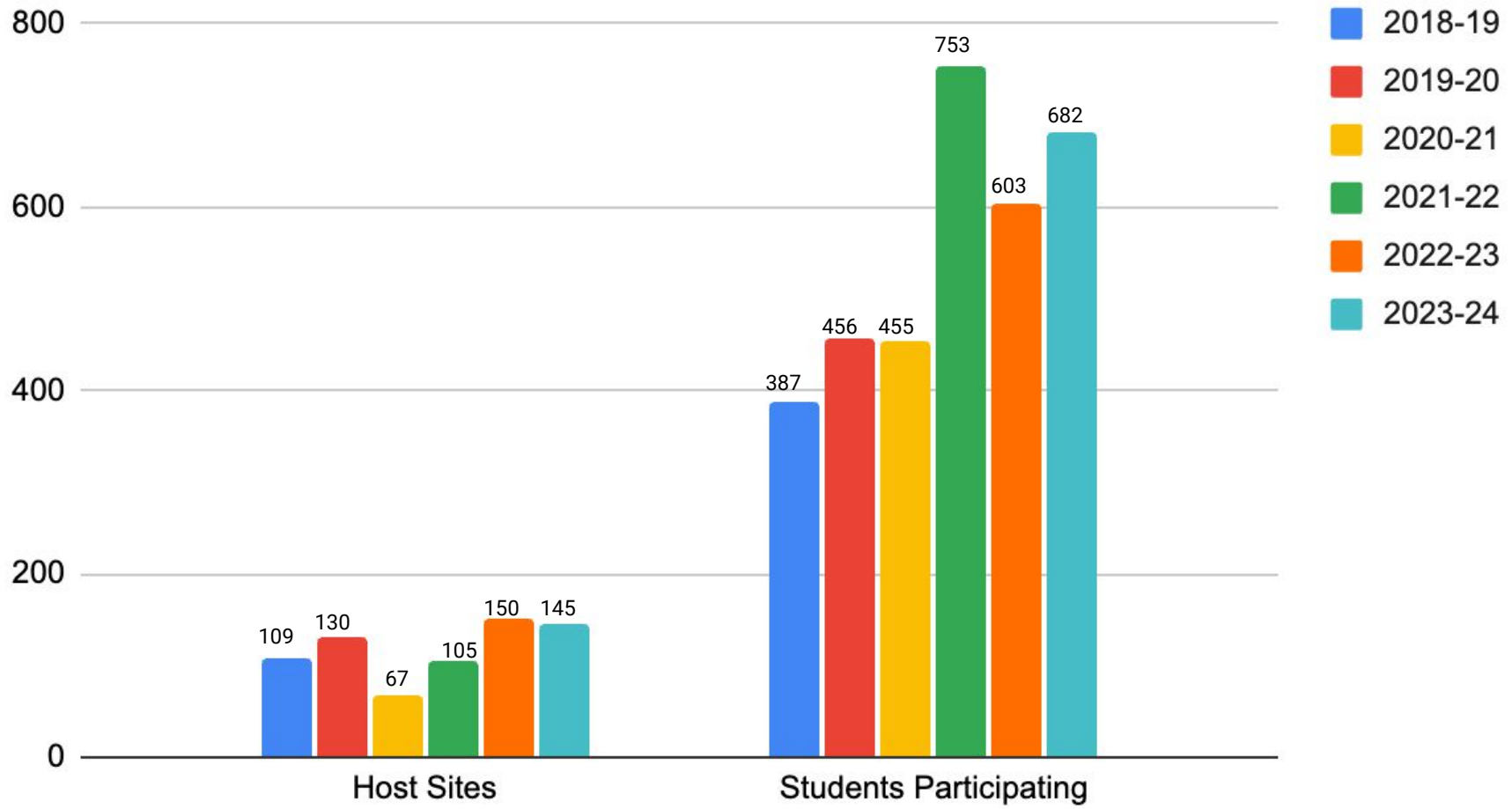
Business Partnerships Overview



Classroom Support 2023-2024



Career Out



Career Out Survey and Sponsorships

- 100% of businesses rated their Career Out experience as a 4 or 5 (with 5 being AWESOME)
- 97% of businesses said they would participate in the future (2 said “maybe”)
- 97% of students rated their Career Out experience as a 4 or 5 (with 5 being AWESOME)
- 99% of students said they would participate again or tell their friends to
- 98% of students said they gained a better understanding of the career field in which they shadowed



Classroom Connections

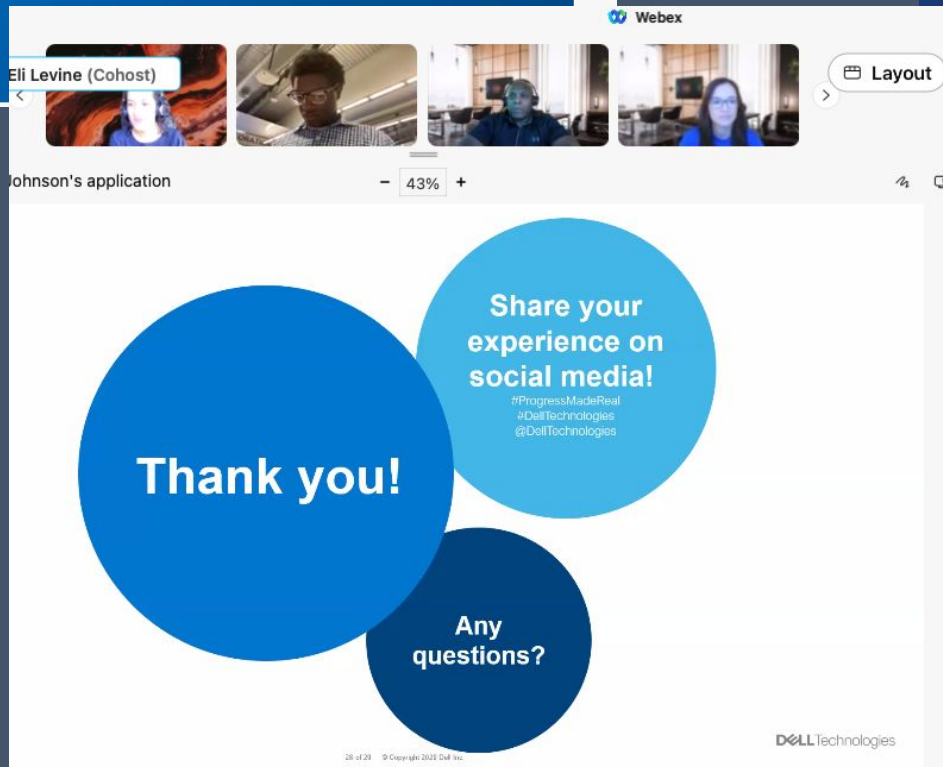
- Marcus 9 AVID Program Mentors
- TCHS Mentor Program support
- Bluebonnet Community Connections for Kinder
- Job preparation presentations at Hebron High School
- Mentor, Board, and speaker connections and training for LHS and TCHS INCubatoredu programs
- Summer Wonder Wagon Corporate partnerships
- Lerch Bates for TECC-E Architecture program
- Hydroponic garden collaboration with secondary science team





Virtual Offerings with Dell Technologies

- Dell employees spoke to 7 classes throughout the school year
- 5 Employees each time
- Interactive presentations for students
 - Engineering Careers
 - Robotics
- 170 students impacted
- Classes included: Engineering at TECC-East and AVID at MHS





Site Visits

- LPGA
 - Golf workshop for TCHS female athletes
 - Sports Management visit for HHS students
- SCHEELS and NFM for TCHS INCubatoredu students
- NFM for FMHS Interior Design Students
- Leadership Event with all schools in The Colony in collaboration with The Colony Chamber
- Inspira for TECC-W Cybersecurity students
- Creation Technologies for TECC-E Engineering students
- The Colony Business connection event for Principals in The Colony

Junior Leadership Flower Mound



- Collaboration with the Town of Flower Mound and the Flower Mound Chamber
- Inaugural cohort - 35 students invited, 32 graduated
- 1 orientation meeting, 8 months of visits/training
 - Character and Integrity
 - Goal setting, time management, and accountability
 - Team building and collaboration
 - Professional Communication/Business correspondence
 - Résumé and cover letter writing
 - Interview preparation and professional dress
 - Networking
 - Mock interviews and dining etiquette



Junior Leadership Flower Mound

- Locations visited:
 - Texas Health Presbyterian Hospital Flower Mound
 - Kuehne + Nagel
 - Stryker
 - Lakeside Tower
 - IntelliCentrics
 - Town of Flower Mound Town Hall
 - RESULTS Center
 - Hilton Garden Inn - Graduation



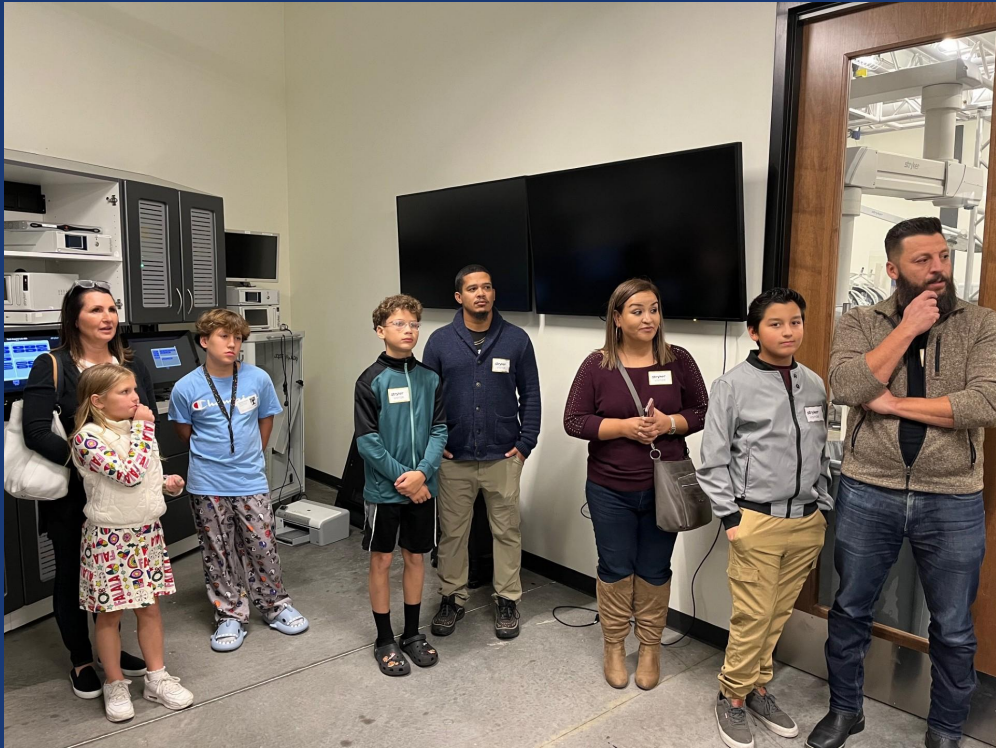


Business Partnerships



Middle School STEM

- STEM Question Challenge with Stryker
 - 14 winners of \$50 gift cards
 - 3 winners of \$100 gift cards and Stryker backpacks
 - Virtual follow up with engineers
 - Site visit for top 3 winners and parents
- Denton County Health spoke to about being an epidemiologist and how epidemics begin and are handled
- Chemist spoke about food science
- ER Doctor spoke to 7th grade students
- CoServ speakers
- Drone expert
- Tata Consultancy Services for Creek Valley MS Open House





Tech Titans Update

- Tech Titan of the Future High School Award Winner
 - Marcus High School - Casey McCluskey
- UTDallas Design Challenge
 - LHS, TECC-East, MHS
- Speed Mentoring event for MHS Robotics students
- Women in STEM Events - 280 9th grade girls
- Qorvo site visit for TCHS Robotics students
- Ericsson site visit for Computer Science students at MHS
- Qorvo Professional Development



LISD Student Internship and Job Board

- 25 booths at the District Job and Internship Fair
- 52 new job and internship posts made on job board throughout the school year
- New Intern Partners
 - Tech Titans - Ericsson and Inspira
 - Sam's Club

District Job and Internship Fair



Business Partnerships



[LISD.net/StudentJobs](https://www.lisd.net/StudentJobs)

VOLY Update

70 Schools

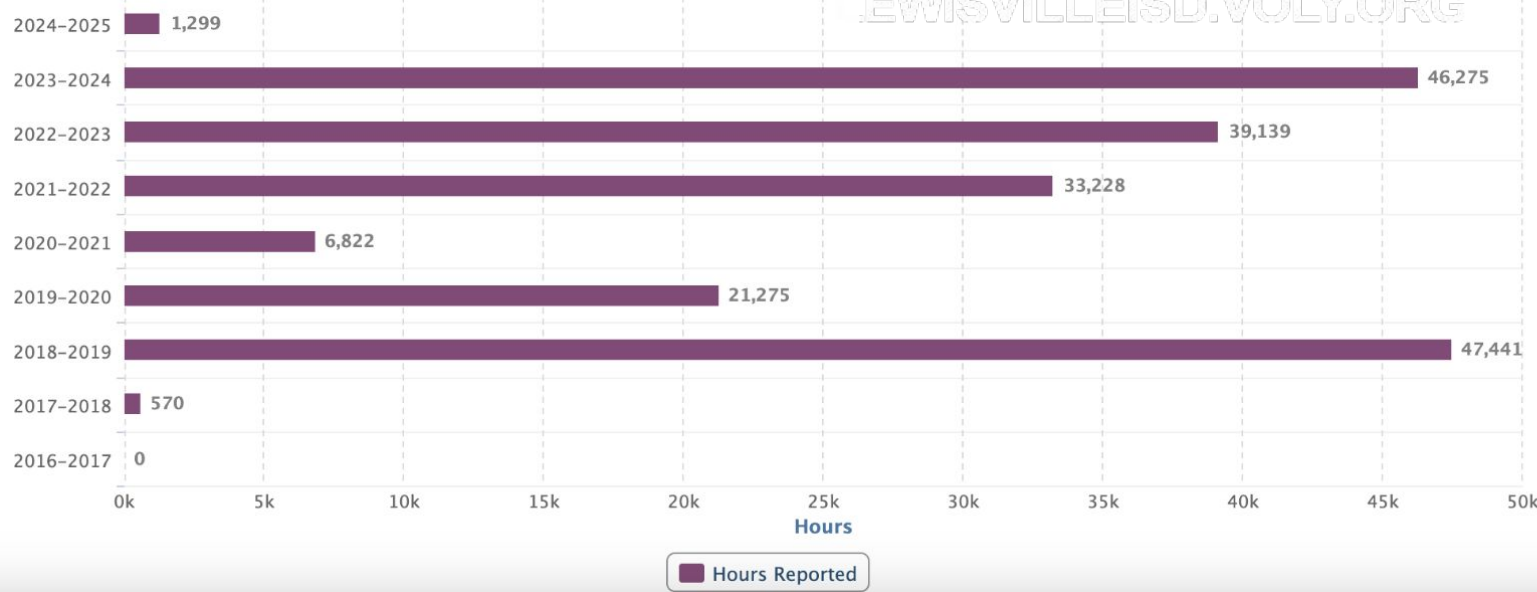
156 Opportunities

60,371 Volunteers

196,070.81 Hours Reported



EWISVILLEISD.VOLY.ORG



Tammy Richards Impact Award



Looking Ahead to 24-25

- Continued integration with CTE
 - LHS and TCHS INCubatoredu
 - Working with CTE Administrators
- STEM Support at all levels, including expanding Tech Titans offerings
- Site visits
- Career Out - February 27, 2025
- Continued virtual offerings for classroom participation
- VOLY intellectual engagement to support learning
- Junior Leadership Flower Mound - 3rd Cohort
- Job and Internship Board open year-round





Thank you!

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