

Leadership NISD

College, Career & Military Readiness

November 2024

Who's Who in CTE - Meet the Team



Kelley Henderson
Executive Director for
College and Career
Readiness

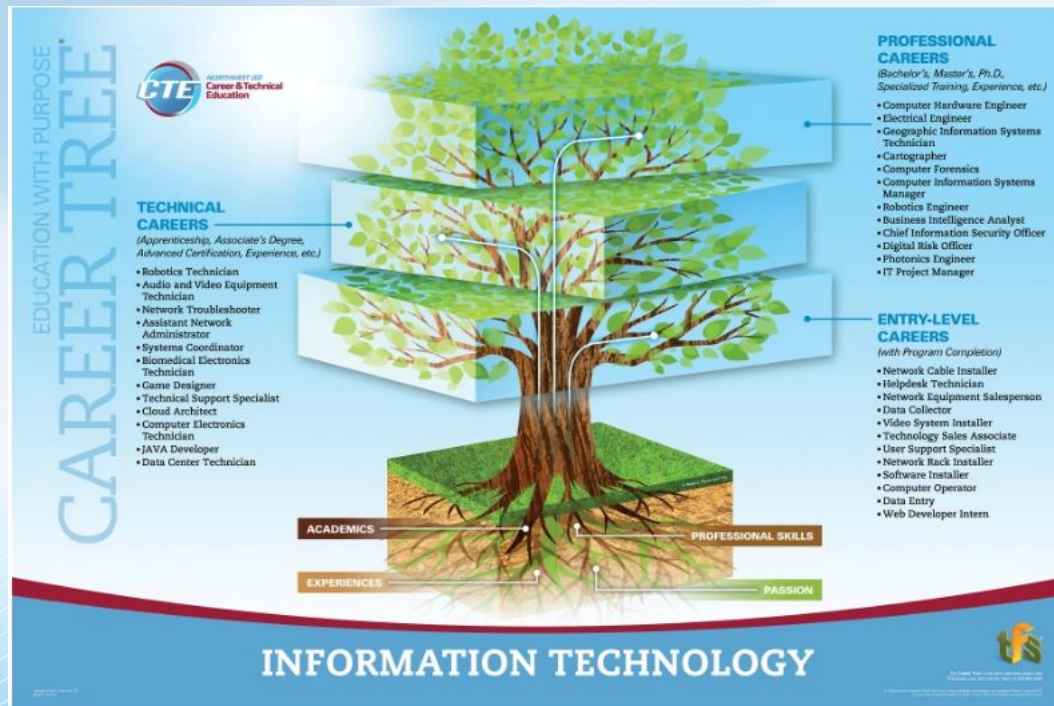


Ed Shelstead
Director for Career &
Technical Education



Bobby Morris
Director for College,
Career & Military
Readiness

Career Trees - A Career Conversation Tool



What is a career tree? Video

Career Investigation
Career Exploration
Work Based Learning Internships
& Certifications

CTE builds a competitive advantage for all students to know their next steps after High School AND have the skills to pursue them.



27 Opportunities

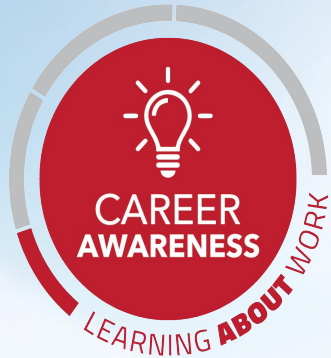
Agricultural Design and Fabrication	Education and Coaching
Agricultural Sciences	Emergency Medical Technician
Architectural Design	Engineering Dynamics
Aviation and Aeronautics Academy	Floral Design
Biomedical Sciences Academy	Health Sciences
Business Administration	Information Technology
Business and Entrepreneurship Academy	Interior Design
Collegiate Academy	Investment Banking and Finance
Cosmetology Academy	Marketing Dynamics
Counseling and Mental Health	Microsoft Master
Creative Media Production Academy	Software Design and Development
Culinary Arts and Hospitality Academy	STEM Academy
Digital Media	Veterinary Medicine
Early Childhood Development	

ASPIRE. ADVANCE. ACHIEVE.

We offer 23 different opportunities for students to choose from! Many of these opportunities have additional programs of study.

Example Creative Media Production Academy is one opportunity that has three different programs to choose from: graphic design, TV/film, and commercial photography.

Building real skills NOW!



We offer four levels of courses for every program of study.

These icons represent how each program of study evolves for a student to prepare to meet the demands of the root system of the career tree. When looking over the academic planning guide you will see these icons to help guide the conversation about what that course covers/offers.



T-2-M-4 Tools

When running a race, what do runners do when they cross the finish line? They stop running. T2M4 is an awareness program built upon the idea that high school graduation, college acceptance, and starting a job are changes in the direction of the race, but they are not the finish line. In other words, we want our graduates to keep running the race.

At NISD we want our students to think about their future in terms of T-2-M-4



- Technical Training and Certifications



- 2-Year Degree Programs



- Military Occupations



- 4-Year University Experience

All are great options and we are committed to making students ready for whichever they choose.

Because of this, NISD is expanding course offerings to include Career and Technical courses through 8 Academies and 19 pathways that allow student to earn specialized career certifications, and participate in internships that will make them highly competitive in the job market, and college-level classes through Advanced Placement, UT OnRamps, and Dual Credit, that offer the potential of earning college credit as well as high school credit.

In doing this, we know that we will be preparing our students to live locally and compete globally.



We believe **all** students need to choose postsecondary training. Some of this training may occur while still in high school, however each student needs postsecondary options and to be prepared for whichever option they choose.

Based on programming, labor market research and community expectations we provide opportunities for the next step!



Career & Technical Education

23 Programs of Study
Academy Model
Embedded Internships
Student Enterprises
National Accolades
Curriculum Alignment & Rigor
Focus on Professional Skills

CTE Enrollment Growth:

21 - 22: 10,064

22 - 23: 12,078

23 - 24: 13,004

80% Secondary Students are in a CTE course



Student-Earned Certifications by Year

2015: 83

2018: 3,086

2020: 3,243

2021: 3,457

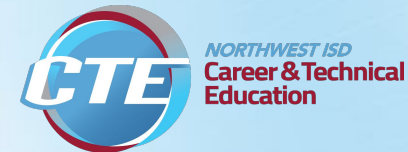
2022: 4,151

2023: 5,181

2024: 6,620

Student Enterprises

Support Student-Run Businesses



The **competitive advantage** starts at home!



Student-run businesses located at each HS campus:

- High-Quality
- Industry-Standard with Equipment & Facilities
- Equitable throughout NISD





More than **400 students** annually receive internship/field experiences with more than **40 external business** and industry partners & **30 NISD partners**.



PROUD
INTERN PARTNER
FOR NORTHWEST ISD



Applied extended learning opportunities
exist for our students.



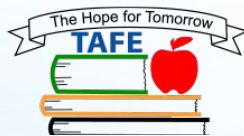
**Making a name for
Northwest ISD both in the
state and nationally!**



**National Technical
Honor Society**



National Achievements on every campus
for 23 - 24 School Year





CTE Ambassadors

Frequently Asked Questions

What is a CTE Ambassador?

A CTE Ambassador is a student who is "the face" of Career and Technical Education (CTE) in NISD. They champion their CTE program or academy and strive to gain a competitive advantage through this leadership opportunity.

How were CTE Ambassadors nominated?

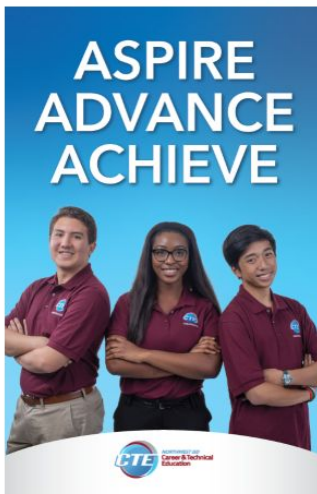
CTE teachers at each of the four high school campuses nominated up to three students in their program.

What do students "get" out of being a CTE Ambassador?

CTE Ambassadors develop professional skills such as networking, public speaking and leadership, accrue volunteer hours, and network and build friendships across NISD campuses.

What role do CTE Ambassadors play on your campus?

CTE Ambassadors can be beneficial to your campus in a variety of ways: by sharing their story with your teachers/students/parents, giving campus tours, hosting evening events such as CTE Showcase, serving on advisory teams, helping students develop their own competitive advantage.



Our CTE ambassador program has more than 90 students who champion CTE across the district. They not only tell their story but help others discover what opportunities are available.

Students Gain:

- Leadership Training
- Service Hour Attainment
- Mentorship
- Learning Experiences

Student Influencers of AllianceTexas



Growth:

2022: 9 students

2023: 14 students

2024: 18 students

Student opportunities this year:

- Learn from CEO / Executives:
 - Meta (Facebook)
 - AmazonAIR
 - GoogleWing
- Tour Amazon
- Test GoogleWing Flight Delivery Drones
- Present at the Schwab Campus

What's Next for NISD CTE



- **Advanced Manufacturing Program** is currently in the 4th year of implementation now at all 3 High Schools.
- Addition of **Construction Academy Program** at NHS. This program will allow our students to focus on trades while also preparing them for post-secondary Construction Science degrees. Opens Fall 2025
- **Cosmetology Academy** moving to NHS Fall 2025 - new facility to support high growth in numbers.
- **High School 4** programming to include new academy spaces

A few highlights...



- Nearly 80% of all high school students participate in CTE and 90% of middle school students. District-wide CTE students currently fill **over 12,000 seats**.
- **Middle School CTE** has grown to offer **8 different CTE courses** including Lifetime Nutrition, STEM Computer Science & Digital Art Animation
- All programming is **free and accessible** to all students and busing is provided for your academy of choice.
- Our **Agriculture Science programs** have over **1,200 students** who receive specialized training in leadership, welding/construction, veterinary medicine, and horticulture.
- Our Education Programs certified 90% of Seniors with **Educational Aide I** and offer **Dual-Credit Education** courses for 6 hours total.

A few highlights...



- Our **Education Program** currently has **167 future educators** interning throughout NISD campuses and community childcare facilities as NISD works to “Grow Our Own” Teachers.
- Our **Creative Media Productions Academy** is continually featured for the work our students produce and our graduates are constantly sought after.
- Our **Business Academy** has produced top **Junior Achievement** companies that have are nationally ranked with students starting their own companies.
- Our **Biomedical Science Academy** is featured as a Distinguished School site for **Project Lead the Way**.
- Our **Health Science Program** certifications are record breaking!
 - 138 CMA certifications (96% pass rate) and 122 EKG certifications (85% pass rate)
 - 31 EMT certifications (pass rate is 76% which is above the National & State average)

A few highlights...

- Our **Culinary Academy** was the first High School in Texas to receive the **American Culinary Federation (ACF)** the top accrediting body for culinary education in the country. Students are now Tier 1 certifying within this program as well as earning tuition-free dual-credit college credit hours.
- Our **Cosmetology Academy** has a **100% pass rate** for all licensed cosmetologists and grew by 42% this year.
- Our **STEM Academy** has **100%** of its students who complete the academy with at least **1 industry-based credential**, however more than half complete 2 IBC's and give more than 70 presentations throughout their high school career.
- **Aviation Academy** is now fully certifying Drone Pilots along with Private Pilot & Aviation Maintenance.

Follow @NISDCTE on Social Media!



Learn more at our [CTE Website](#)



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Leadership NISD Update November 2024



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CCMR Dept

- 40% of CCMR & Campus Accountability
- Dual-Credit Courses
- OnRamps Courses
- Advanced Placement
- College Testing - ACT/SAT & TSIA
- College Advisement
- College Partnerships
- Military





Student Achievement Domain: Weighting

Elementary/Middle Schools

- STAAR

Weight

100%

High Schools, K-12, and Districts

- STAAR
- College, Career, and Military Readiness (CCMR)
- Graduation Rate

40%

40%

20%

CCMR Graduation Requirements - Students must complete one item below to be College, Career, or Military Ready



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College

- Meet the TSIA 2 college-ready scores for English and Mathematics, be exempt using SAT or ACT scores.
- Earn 3 hours of dual credit in English or Math
- Earn 9 hours of dual credit in any combination of subjects
- Score 3+ on one or more AP Exams
- Qualify for college credit in OnRamps
- Earn an Associate's Degree

Career

- Meet the TSIA 2 college-ready scores for English and Mathematics, be exempt using SAT or ACT scores.
- Earn a qualifying industry-based certification and complete a CTE Program of Study by earning 4 or more credits in the same program of study.
- Have an IEP and graduate with Workforce Readiness
- Receive Special Education services and graduate on an advanced degree plan

Military

- Take the ASVAB and earn a qualifying scores
- Enlist in the U.S. Armed Forces and submit a copy of your DOD Form 4 to NISD

Qualifying ASVAB Scores*

Army - 30

Navy - 35 (26 with waiver)

Air force - 31

Marines - 32

Coast Guard - 36 (32 with waiver)

* As of August 2024, all military branches temporarily require a 31.



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CCMR - College Credit Opportunities

CCMR - College Opportunities



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Advanced Placement

Students take a high school class for high school credit. In the fall semester they order and pay for their exams, then, at the end of the year, they take the exam. A passing score on the AP Exam (3+) could earn them college credit.

Dual Credit

Students take a college class for college credit. The college grade is also posted to their high school transcript to allow them to earn high school credit. Dual credit classes are part of the college core curriculum or they are CTE or World Language classes. All Texas public colleges must accept the dual credit courses from the core curriculum.

Dual Enrollment

Similar to dual credit, dual enrollment courses allow students to take a course that is a blend of high school and college work. The grades earned in the college and high school portion of the class may differ. Our dual enrollment courses are part of the college core or are CTE courses.

[Learn More Here](#)

CCMR Growth - College Credit



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Including AP, OnRamps, and Dual Credit, NISD Students qualified for approximately - **21,528 college credit hours** in the 23-24 school year.

Including AP, OnRamps, and Dual Credit, NISD Students qualified for approximately - **17,659 college credit hours** in the 22-23 school year.

Including AP, OnRamps, and Dual Credit, NISD Students qualified for approximately - **14,605 college credit hours** in the 21-22 school year.

See more data on our [CCMR Data Dashboard](#)



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OnRamps Impact

23-24 OnRamps Impact



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**Total Number of
OnRamps Courses
Taken in 2022**

2908

**Total Number of
College Credit Hours
Accepted in 2022**

6704

**Total Average
Tuition Savings* by
NISD Students**

\$3,687,200

**Total Average
Actual Savings* by
NISD Students**

\$5,262,640

*Average tuition =\$550.00 PCH

*Includes books, fees & housing = \$785 PCH

22-23 OnRamps Impact



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**Total Number of
OnRamps Courses
Taken in 2023**

2498

**Total Number of
College Credit Hours
Accepted in 2023**

5482

**Total Average
Tuition Savings* by
NISD Students**

\$1,693,938

**Total Average
Actual Savings* by
NISD Students**

\$4,303,370

*Average tuition =\$309 PCH

*Includes books, fees & housing = \$785 PCH



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**College, Career &
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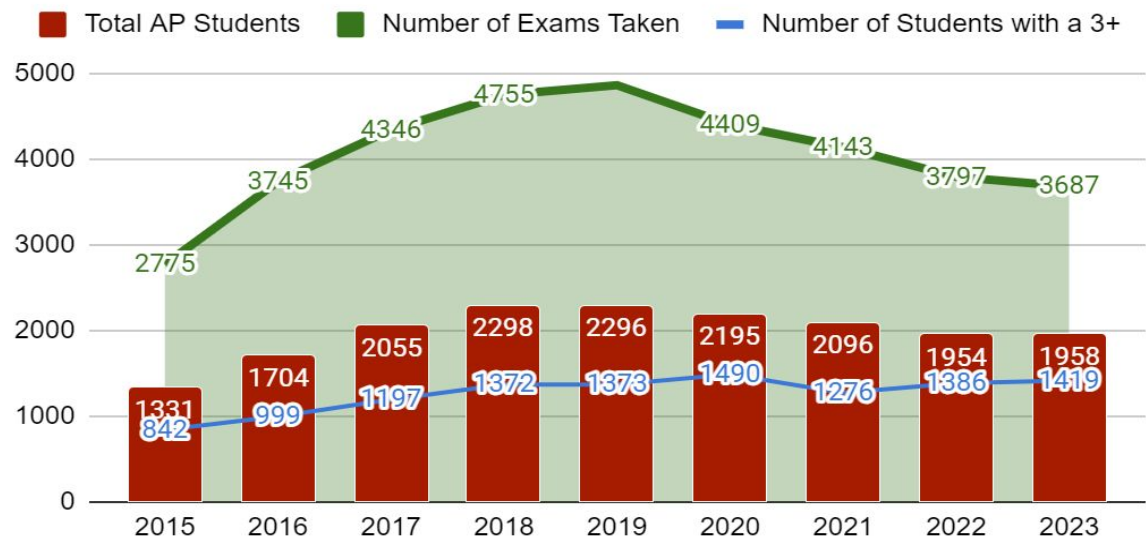
Advanced Placement Impact

Advanced Placement (AP)



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Total AP Students, Number of Exams Taken and Number of Students with a 3+



72% of students who take an AP Exam earn credit on at least one exam.

23-24 AP Impact



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**Total Number of
AP Exams Taken
in 2024
3898**

**Total Number of AP
College Credit Hours
Earned in 2023-24*
8571**

**Total Average
Actual Savings** by
NISD Students
\$6,728,235.00**

* Based on 3 credit hours per test
scoring 3+

** Includes books, fees & housing = \$785
PCH

22-23 AP Impact



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**Total Number of
AP Exams Taken
in 2024
3753**

**Total Number of AP
College Credit Hours
Earned in 2023-24*
7350**

**Total Average
Actual Savings** by
NISD Students
\$5,769,750.00**

* Based on 3 credit hours per test
scoring 3+

** Includes books, fees & housing = \$785
PCH



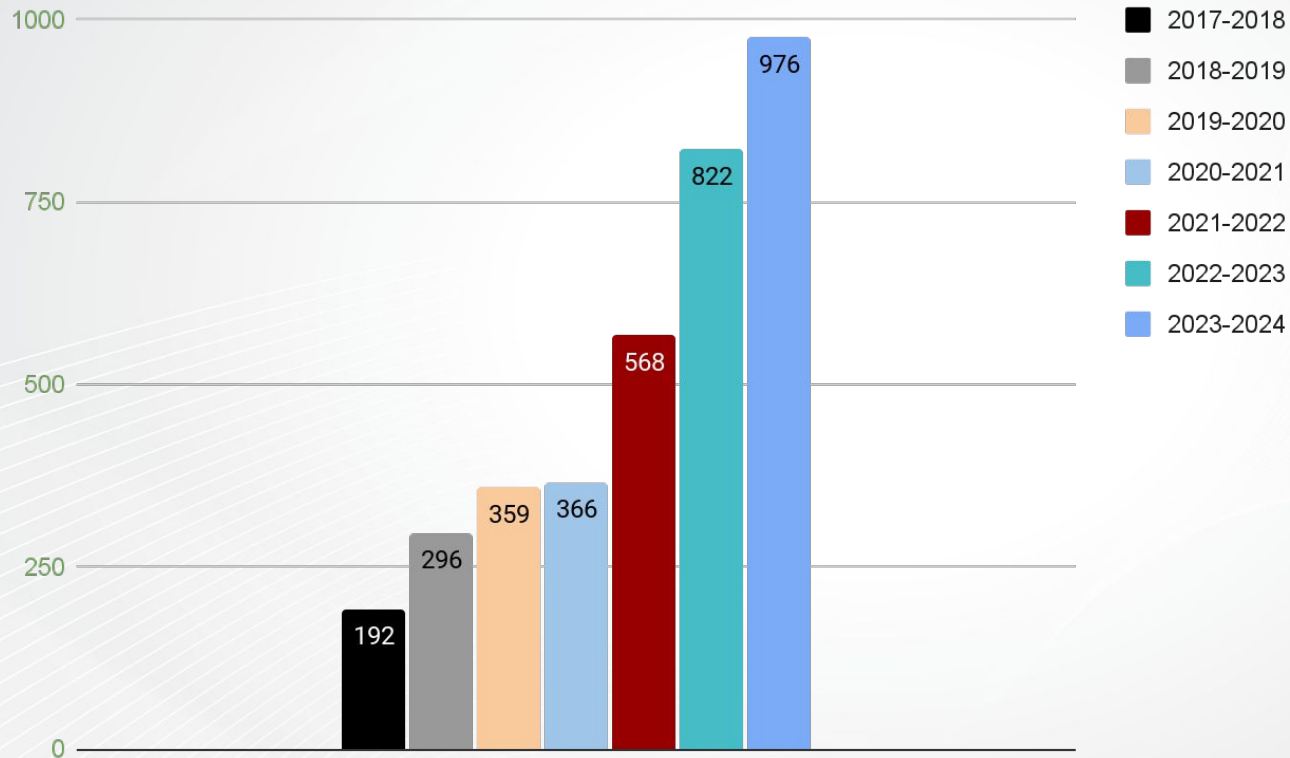
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Dual Credit Impact

Dual Credit Enrollment



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23-24 Dual Credit Impact



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**Total Number of Dual
Credit Courses Taken
in 2023-24**

2316

**Total Number of
College Credit Hours
Earned in 23-24**

6253

**Total Average
Tuition Savings* by
NISD Students**

\$3,687,200

**Total Average
Actual Savings* by
NISD Students**

\$2,082,605

*Average tuition =\$550.00 PCH

*Includes books, fees & housing = \$785 PCH

22-23 Dual Credit Impact



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**Total Number of Dual
Credit Courses Taken
in 2022-23**

1668

**Total Number of
College Credit Hours
Earned in 22-23**

4504

**Total Average
Tuition Savings* by
NISD Students**

\$1,391,612.40

**Total Average
Actual Savings* by
NISD Students**

\$3,535,326

*Average tuition =\$309.00 PCH

*Includes books, fees & housing = \$785 PCH

Associate's Degrees

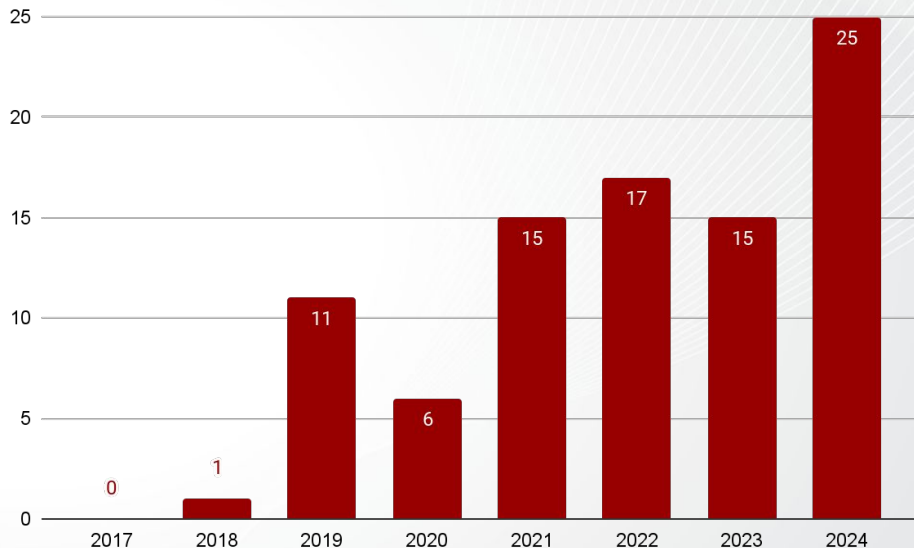


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The class of 2024 at Steele was the last of our Steele Accelerated High School Graduates.

The 2025 graduating class will be our inaugural Early College High School class.

Many more Associate's degrees to come from new ECHS



CCMR - College Testing



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Our CCMR Department works with the Department of Research, Assessment, and Accountability to support SAT & ACT testing opportunities throughout our district. Including proctoring exams, test preparation and student advisement for testing opportunities. CCMR also oversees all TSI assessments (TSIA, or TSIA2) across the district.

Variety of testing options & support for all students!

We offer:

- All Juniors PSAT & SAT testing
- Frequent TSIA-testing year round
- Tutoring materials for all exams
- Testing support

