

BIRDVILLE CTE

#BIRDVILLEFUTUREGRADS

BISD

Birdville Independent School District

excellence | integrity | service

 Career &
Technology
Education



CAREER AND TECHNOLOGY EDUCATION EMBRACES QUALITY INSTRUCTIONAL PARTNERSHIPS WITH BUSINESS AND INDUSTRY TO SUCCESSFULLY PREPARE STUDENTS TO POSITION THEMSELVES FOR THE CHALLENGES OF POST-SECONDARY EDUCATION AND TO EXCEL WITH INTEGRITY IN A GLOBALLY COMPETITIVE WORKPLACE.

BISD Career & Technology Education

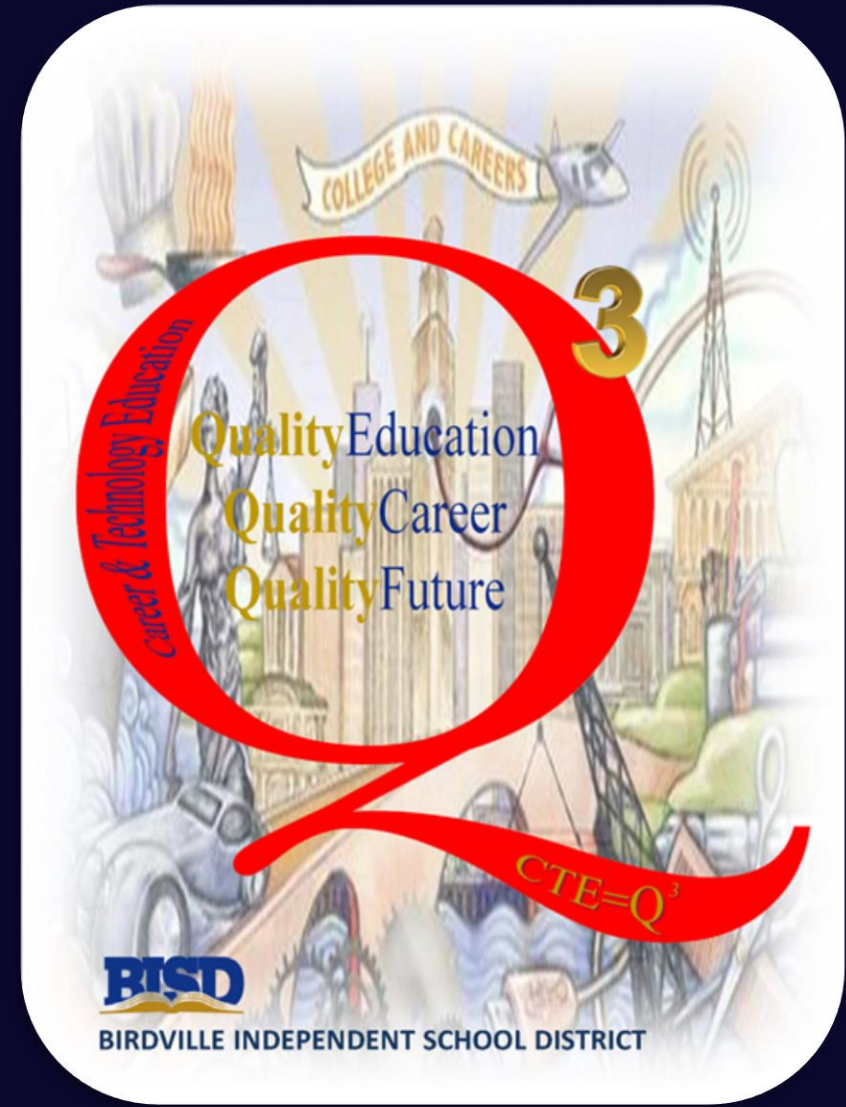


BISD Career & Technology Education



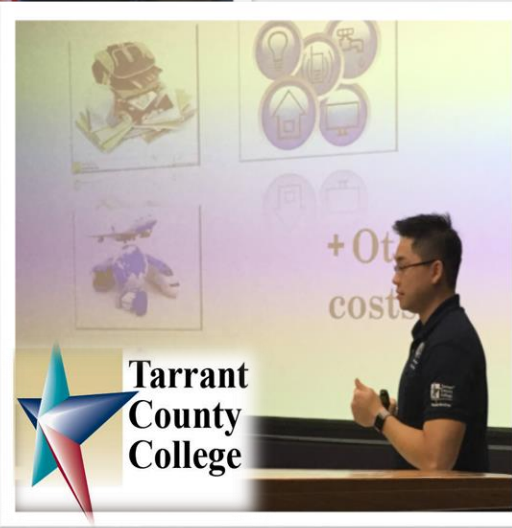
2017-18

CTE PROGRAM HIGHLIGHTS



BISD COLLEGE AND CAREER NIGHT

**BISD COLLEGE AND CAREER NIGHT
OCTOBER 23, 2017**



Representatives from over 100 colleges, universities, recruitment centers and professional institutions met with Birdville ISD students and parents to discuss and answer questions about college and career planning. The event was a great success!

SPRING SCHOOL-TO-WORK COALITION LUNCHEON

CTE SCHOLARSHIP PROGRAM



\$22,400 in scholarships were awarded to 16 CTE students from all of the high schools, including the Paul Andreason Memorial Scholarships that were awarded.

The BISD CTE scholarship program has been in place for 25 years and supported by business and community throughout Birdville ISD.

The CTE Advisory Committee hosts a successful annual Scholarship Golf Scramble to fund the CTE Scholarship Program.

Culinary Arts

- All 120 students have successfully completed food handler training and received their Food Handler Cards from the City of North Richland Hills.
- 29 students passed their *ServSafe* exam, becoming *ServSafe* certified, and students are preparing for their exam to be *ServSafe* certified in the food service industry.
- A record number of culinary students competed in *SkillsUSA* regional competition, a co-curricular event and advanced to state.



CULINARY ARTS

- Culinary students, Cielo Cardona, Chloe Neumeyer, and Randy Rangel, recently competed in the *Kids Fit Menu Invitational*, creating a healthy kids' menu option for *Snuffer's Restaurant*.
- *Medical City Children's Hospital* and *Greater Dallas Restaurant Association* (GRDA) collaborated with *Texas ProStart* culinary programs in high schools across North Texas to develop healthy children's menus for local restaurants. All recipes on the *Kids Fit Menus* include two or more servings of fruits and/or vegetables.
- BISD culinary students competed with culinary students from 17 DFW-area school districts in a live cooking demonstration contest. The winner's dish will appear on the children's menu at one of the following restaurants: *On the Border*, *El Fenix*, *Topgolf* or *Snuffer's Restaurant*.

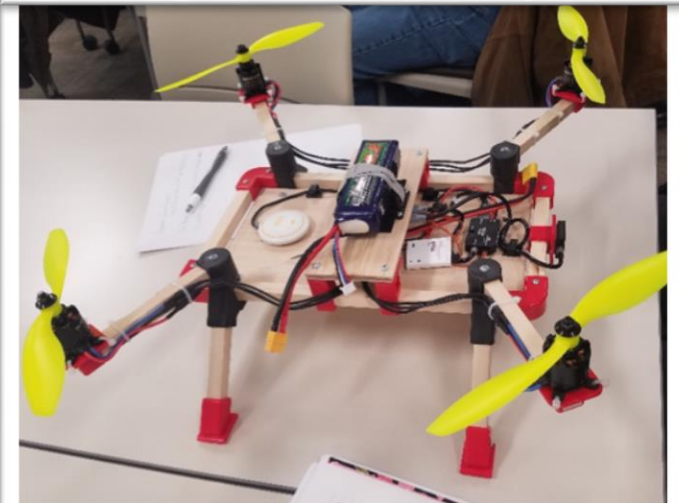


Culinary Arts “Kids Teaching Kids”



STEM- Texas Alliance of Minorities in Engineering

- The regional TAME, Texas Alliance of Minorities in Engineering, middle and high school competition was held at RHS on January 27th.
- Members of the high school TAME team at RHS have been invited to enter a Drone Competition through Bell Helicopter. The Drone Team will be sponsored by STEM teacher, Dana Harris, at Richland High School and the middle school Drone Video Competition will be sponsored by STEM teacher, Kelley Arnold, at North Richland Middle School.
- The drone competition kickoff will be on March 20th, where student will receive instructions and the materials to build their drone.
- On April 23rd students will compete in a head-to-head drone activity battle as well as a search and rescue drone competition. The winning BISD middle school drone video will compete against other districts on that day. The competition is sponsored by Bell Helicopter to help prepare current students for the expanding industry use of drones.



ROCKET ENGINEERING

BIRDVILLE ROCKET ENGINEERING STUDENTS VISIT NASA IN HOUSTON

Birdville Rocket Engineering students presented to NASA Aerospace engineers.

Students will be launching two types of rockets this spring, the Oberth rocket and the Tsiolkovsky rocket. Oberth rockets break sound barriers and Tsiolkovsky rockets carry a one pound package to an altitude of one mile.

The students design and build the rockets from scratch. Students will be launching 8 rockets this year in Fredrickburg, Texas on April 28th.

SytemsGo is the State of Texas Rocketry Aerospace curriculum that the students use to train and launch the rockets.



Robotics

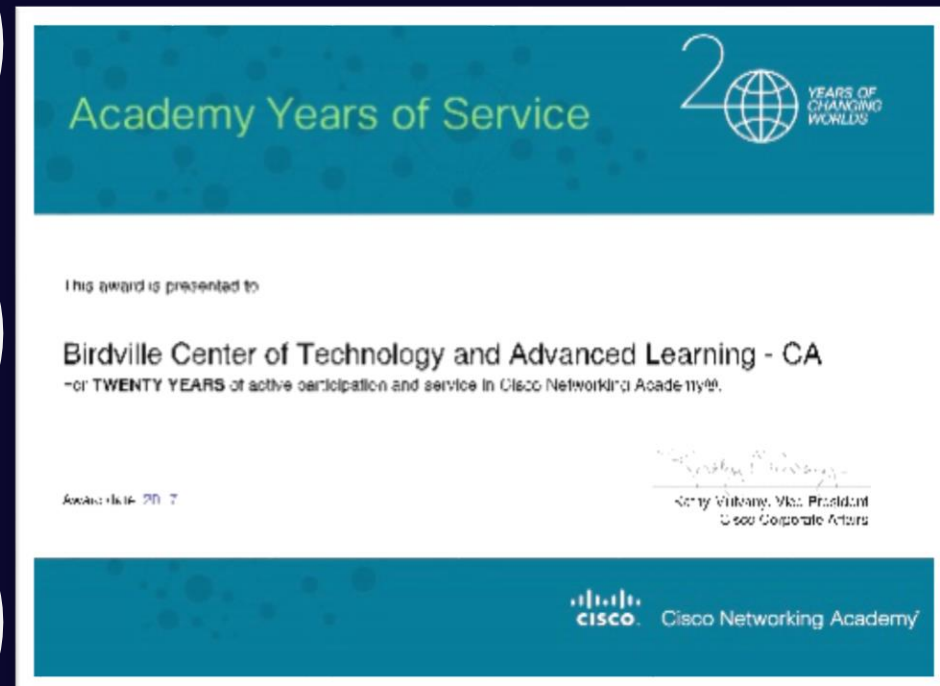


- The Haltom Robotics team competed in the *Cowtown BEST Robotics Competition* this past weekend. Haltom Robotics won 1st place in a truly epic series in the finals!
- Colton Lyons, a junior, had the highest scoring round of the day in the last match of the day to secure victory. In addition to winning the 1st place in the competition, the team also won the Founders Award for Creative Design.
- The following students all contributed to the success of the team: Aman Kumar, Anthony Nguyen, Bishop Carey, Colton Lyons, Dalton Wheeler, Dominick Gomez, Eve Pulse, Forrest Knowles, Jailyne Verett, Jonathan Champion, Kayla Norris, Kenny Nguyen, Laksha Parajuli, Luis Rosales, Matthew Benson, Max Crow, Michael Holmes, Raimson Inthankoun, and R.J. Leaper. The team advanced to the Texas BEST and UIL State Competition.



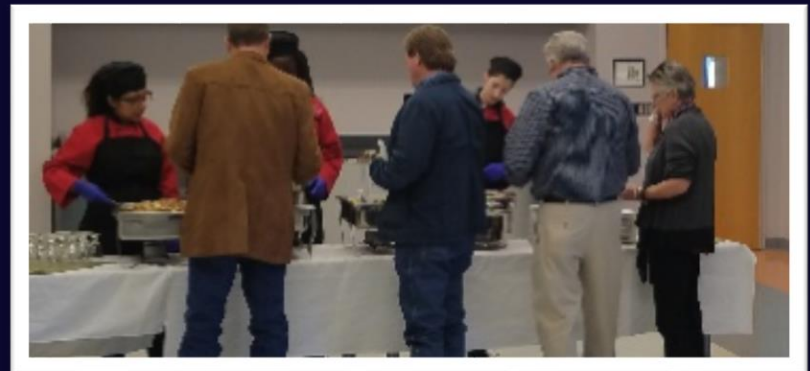
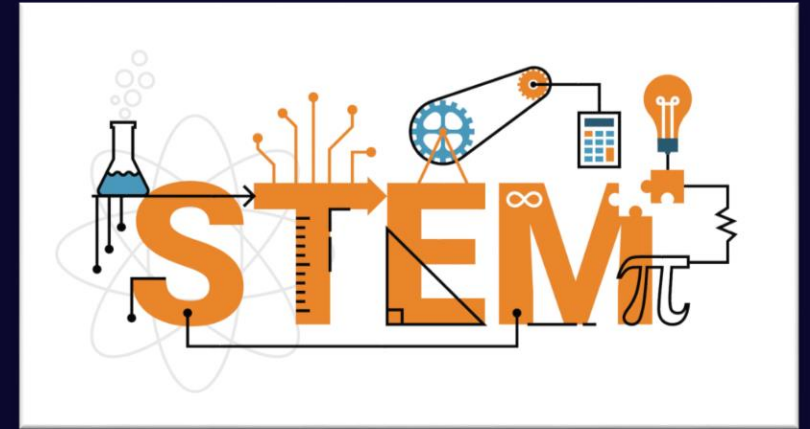
CISCO ACADEMY

Birdville ISD and the Birdville Center of Technology and Advanced Learning Cisco Academy received an award for completing 20 years of active participation and service in the *Cisco Networking Academy* program in recognition of our dedication and contributions that help make *Cisco Networking Academy* the premier global education program for developing global problem solvers.



CTE STEM ADVISORY BOARD

- Business and post-secondary partner's time and expertise are critical components to Career and Technology student success.
- On November 30, 2017 a CTE STEM Advisory meeting was attended by business partners from *Bell Helicopter*, *BISD Facilities Management*, *Burlington Northern Santa Fe Railroad*, *Component Construction Company*, *Lockheed Martin*, *RJC Nuclear*, *TCCD-NW Aviation Maintenance Technology Dept.*, *UTA- Engineering Department* and *Vintage Flying Museum*.



Health Science

- Currently we have 28 students from our Health Science Program who are participating in clinical rotations while working on internships at Medical City North Hills Hospital.
- BISD CTE has partnered with *Medical City North Hills* in a joint venture called the *Future Generations Project*.
- *The Future Generations Project* provides students employment as a Patient Care Technician (PCT) with the hospital while working on a Registered Nursing Degree, after successfully completing the Clinical Rotations II Program at the BCTAL.
- *Medical City Healthcare* pays for tuition, fees, books, and uniforms up front in exchange for a 2-year commitment to work full-time as a Registered Nurse, once hired as a Patient Care Technician.

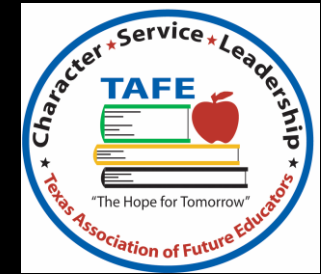


BISD CTE AWARDED GRANTS

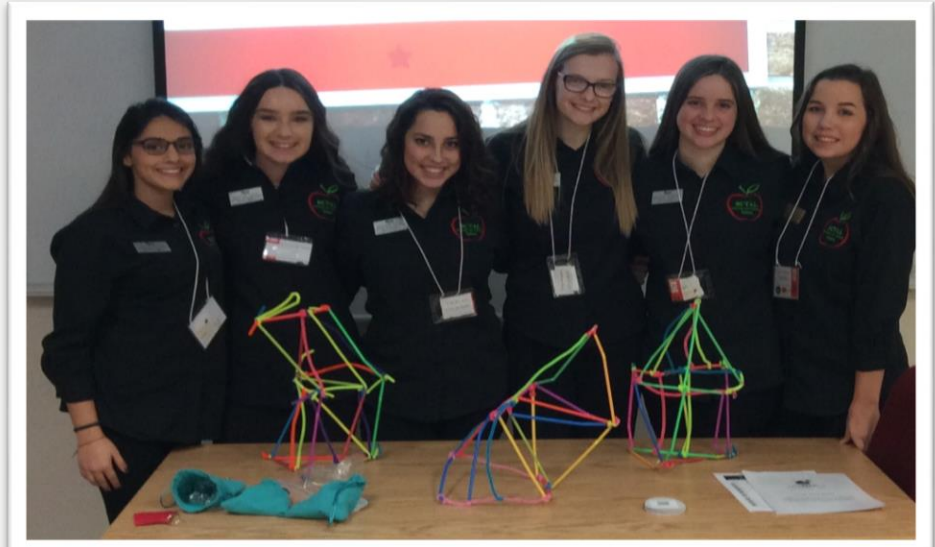
- Providing students with greater opportunities to prepare for credentials, acquire skills and make professional industry connections will prepare them to be more marketable and highly successful leaving high school.
- In the 2018-19 school year we will expand practicum, capstone Health Science opportunities; where students certify in Electrocardiogram (EKG) Technician, Phlebotomy Technician and Certified Medical Administrative Assistant.
- These grants will be used to expand the program with state of the art training equipment and to become a testing site for these certifications through The National Healthcare Association



Education and Training



- BCTAL Texas Association of Future Educators traveled to the University of North Texas in Denton on Friday, December 1, 2017, to participate in Region XI-A Leadership Conference and Competitions.
- Participants from both the BCTAL-Richland chapter and the BCTAL-Birdville/Haltom chapter advanced to the *TAFE State Teach Tomorrow Summit* at Sam Houston State University in Huntsville, Texas, February 15-17.



EDUCATION AND TRAINING



State Qualifiers for National Events

- **Children's Literature:** 2nd place, BCTAL-Birdville/Haltom Team - Rosa A. and Veronica D.
- **Educators Rising Moment:** 1st place, Jadyn J., BCTAL-Birdville/Haltom
- **Exploring Support Service Careers:** 2nd place, Jaylen F., BCTAL-Birdville/Haltom
- **Job Interview:** 2nd place, Nolan J., BCTAL-Birdville/Haltom
- **Public Speaking:** 2nd place, Alaina C., BCTAL-Richland
- **Researching Learning Challenges:** 1st place, BCTAL-Birdville/Haltom Team: Maddy B., Jovana D., Chris M., and Lily W., BCTAL-Birdville/Haltom

EDUCATION AND TRAINING



Education and Training students working on their internship program with Birdville elementary schools.

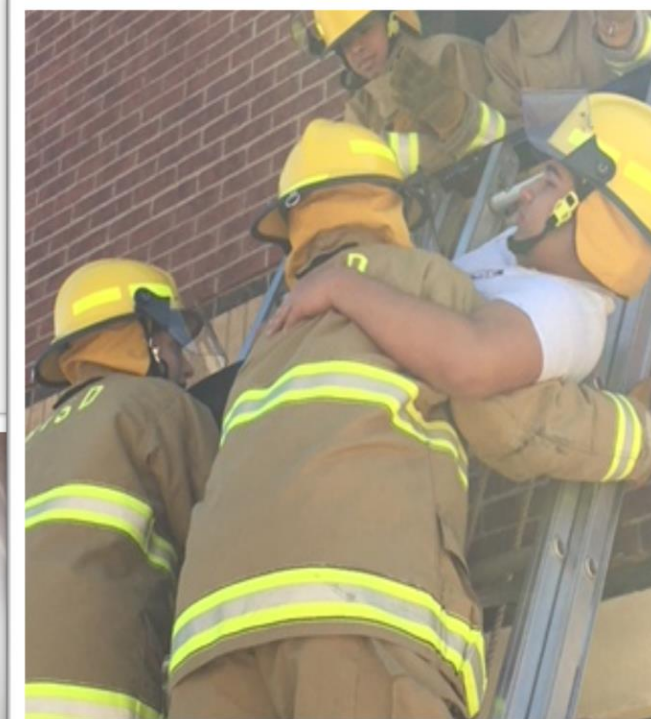


Firefighter Academy

- Birdville ISD is in partnership with North Richland Hills Fire-Rescue Department and Tarrant County College with a Fire Academy for students.
- In the Fire Academy, the students complete classwork necessary to master the knowledge and skills to be successful on-the-job.
- Additionally, Fire Academy students undergo an extensive training program where they practice the required skills in the field, including all of the demanding physical conditioning necessary to be certified firefighters.
- In the BISD Fire Academy, high school students are held to the same high standards of performance as adults training to be fire fighters.



FIREFIGHTER ACADEMY STUDENTS IN TRAINING



Agricultural Science



- Students in the Agricultural Science program compete with their animal projects.
- Students were extremely successful at the *State Fair*, the *Heart of Texas* in Waco, the Fort Worth Stock Show and the Tarrant County Junior Livestock Show.



AGRICULTURAL SCIENCE

- Students animal projects are housed at the Birdville Agricultural Science Center, also known as the BASC.
- Students are responsible for feeding and taking care of their animal projects for the school year.
- Students spend early mornings, evenings and weekends dedicated to their animal projects which shows the dedication, and commitment that they have for their animals.



Ag Mechanics Competition at the San Antonio Stock Show - Blue Ribbon Winners



Marketing

- Birdville High, Richland High, Haltom High and BCTAL all have school Stores that are an integral part of a CTE marketing education program.
- The school stores are student run and operated and are part of the rigorous curriculum that gives students hands-on experience to learn professional skills in sales, marketing, customer service, merchandising and management.
- Each high school store has its own business name:
 - Birdville High- “The Nest”
 - Richland High- “Reb-ee’s”
 - Haltom High- “Buff Stuff”



MARKETING

- DECA is the Career and Technology Student Organization that prepares emerging leaders in business, marketing, finance and entrepreneurship.
- In addition to marketing and business curriculum, students learn about community service, leadership and teamwork.
- BISD marketing students are preparing for regional competition that will take place in January.





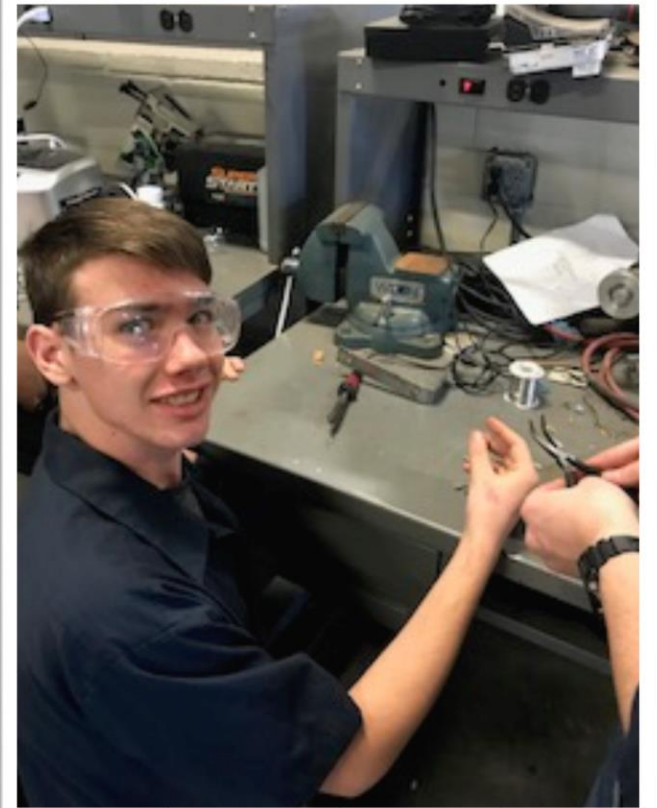
Automotive Technology

- Birdville CTE Automotive students competing at the Universal Technical Institute at Dallas on January 20, 2018
- Students worked in teams of two on a written and hands-on automotive test over vehicle parts, braking systems and automotive diagnostics

Students won first place at the Universal Technical Institute's Top Tech Challenge!



AUTOMOTIVE TECHNOLOGY



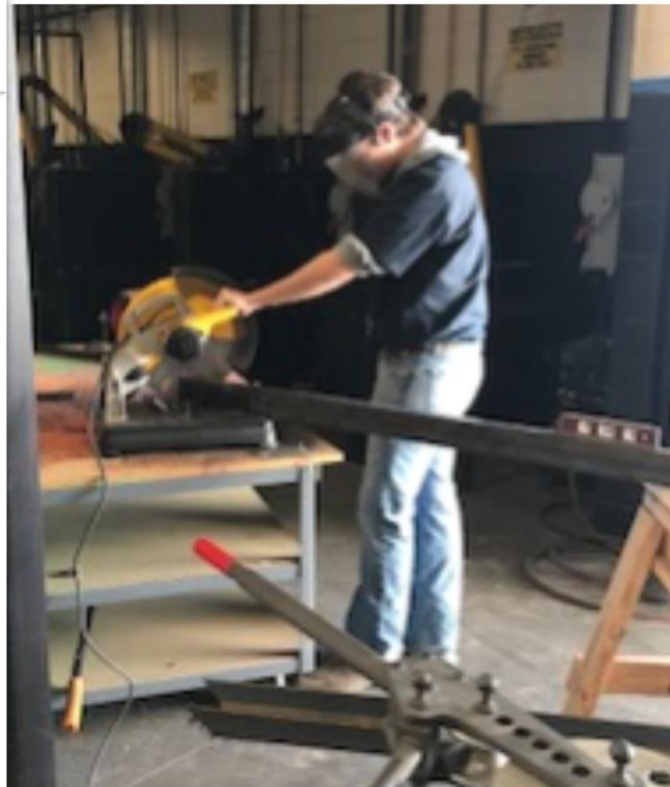
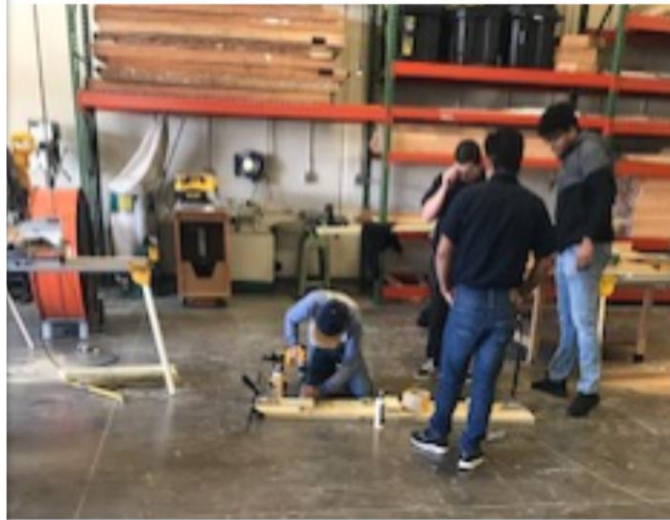
Construction Technology



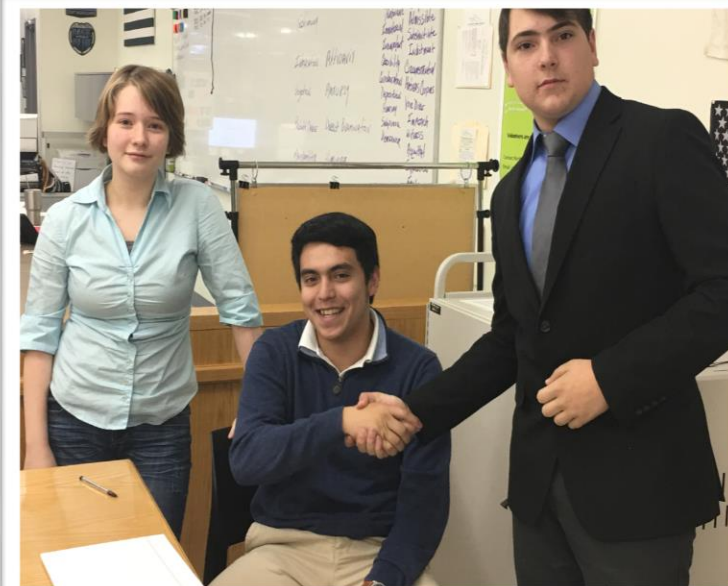
Construction Technology students learning to use the cutter and the process of oxy-fuel cutting.

CONSTRUCTION TECHNOLOGY

Students using problem solving skills and working collaboratively on their student construction projects.



Law Enforcement



Law Enforcement students working on a mock trial in class and also learning tactical training with support from North Richland Hills police officer, Kevin Croft.



TEXAS PUBLIC SERVICE ASSOCIATION

Regional competition in Granbury, Texas February 16 - 17, 2018

Birdville Criminal Justice, Law Enforcement and Forensic Science students won in the following competitive events:

- 1st place Opening Statement
- 1st place Fingerprinting
- 3rd place Fingerprinting

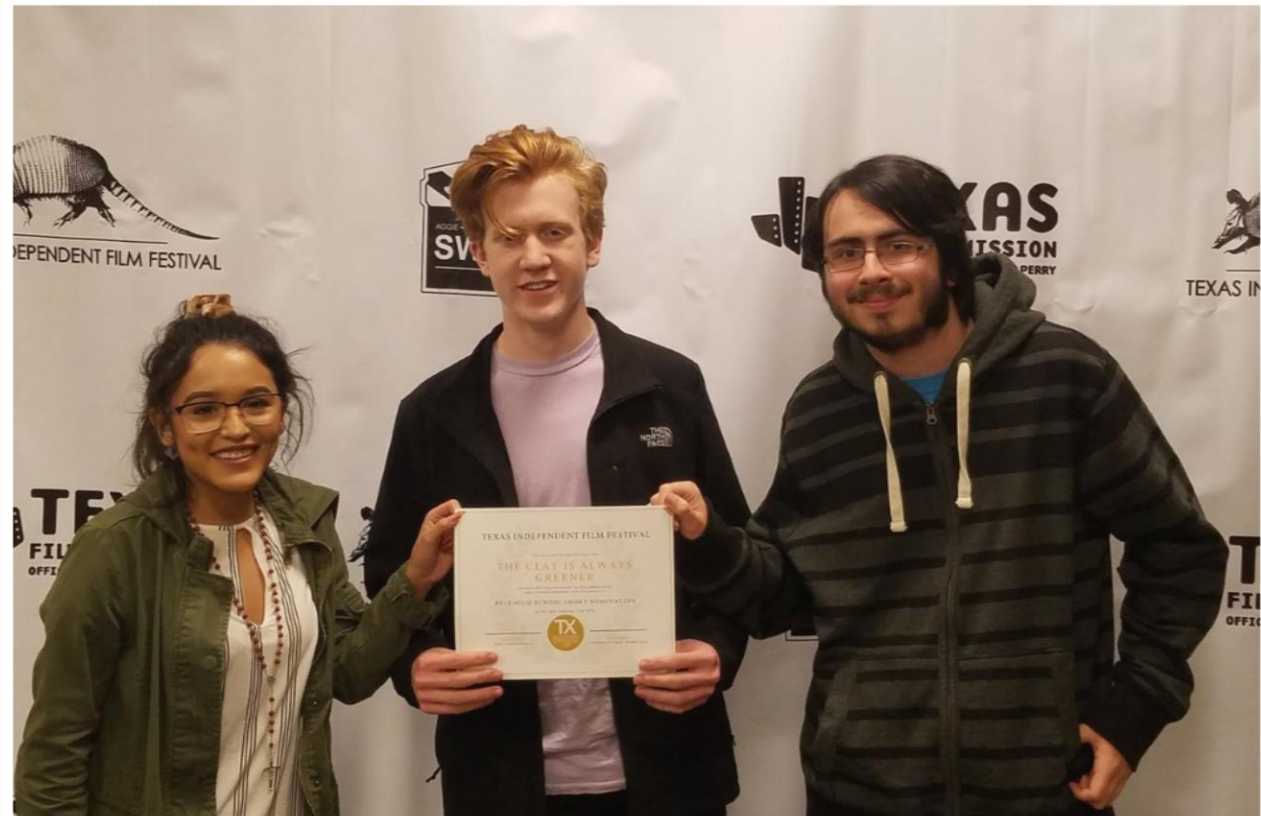


LAW ENFORCEMENT

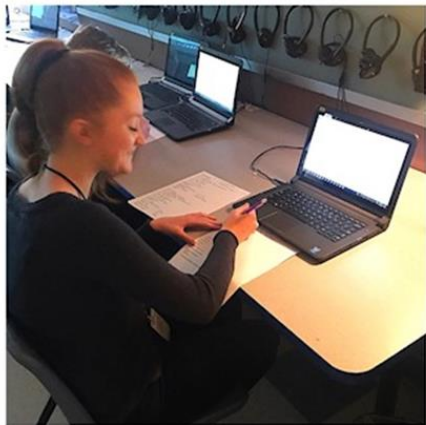
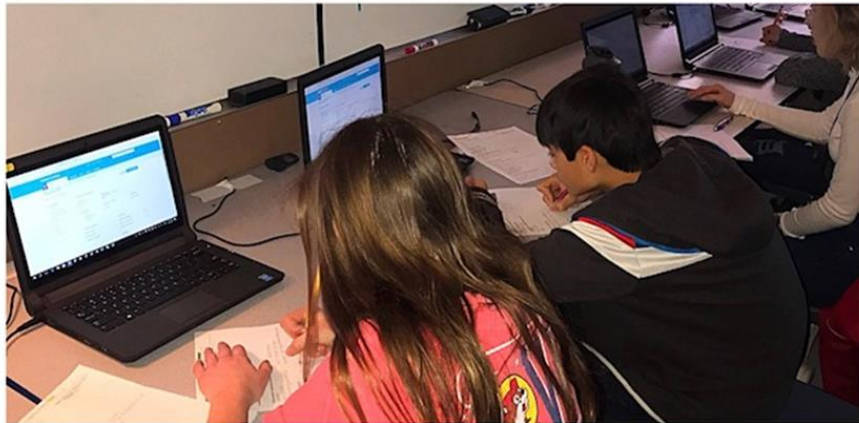
Texas High School Mock Trial
Competition sponsored by
the Tarrant County Bar
Association in Fort Worth,
Texas.

Audio Video Production

Audio Video students competed at the Texas Independent Film Festival in College Station, Texas in February. The students' film "The Clay is Always Greener" was nominated for Best High School Short Film.



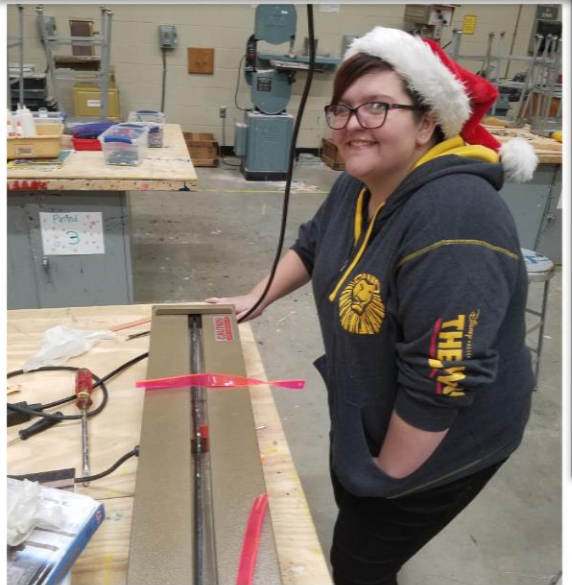
CTE Middle School Programs



Mr. Gage's College and Careers classes planning their high school courses at Smithfield Middle.



Richland Middle School
Mr. Womack's Gateway to Technology class students designing and building robots at Richland Middle.



GATEWAY TO TECHNOLOGY

North Ridge Middle School students are bending plastic to make wind chimes in the CTE Lab with Gateway to Technology teacher, Mr. Rue.



COLLEGE & CAREERS

Mr. Gage's College and Career students with Birdville High School Marketing DECA students learning about future careers in entrepreneurship, finance, business, hospitality and marketing!



Cosmetology

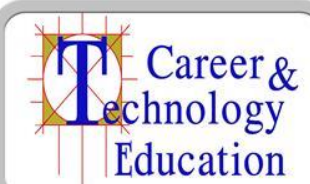


Cosmetology students in the classroom lab work toward earning their Cosmetology license. Twenty-seven students have passed the state exam under the Texas Department of Licensing and Regulation. The program has 100% passing rate.



CTSOS =
Co-Curricular

CAREER AND TECHNOLOGY STUDENT ORGANIZATIONS

 Career &
Technology
Education

 BISD™

 Career and Technical
Student Organizations

 BUSINESS
professionals
OF AMERICA

 DECA

 EDUCATORS
RISING

 FBLA-ΦΚΦ

 FCCLA
The Ultimate
Leadership
Experience



 hosa
Future
Health
Professionals

 SkillsUSA

 TSA
TECHNOLOGY STUDENT ASSOCIATION

TAFE Texas Association of Future Educators



Seven Haltom High School students competed at the 2018 Texas Association of Future Educators Teach Tomorrow Summit in Huntsville, TX, February 15 – 17, 2018 at Sam Houston State University. The following students earned blue ribbons in their events, which is the highest award given in their categories.

Brittiney W. – Project Visualize: Service

Mireya R.: Project Visualize: Teacher Appreciation

Sol R. Project Visualize: Teacher Appreciation

Jessica F. – Breakout Session Presentation

Jessica F. – Chapter Scrapbook

Jovana D. qualified for the National Educators Rising Conference as a member of the Researching Learning Challenges team. She will compete in Orlando, Florida in late June.

Pictured above are Brittiney W., Jessica F., Maria S., Sol R., Mireya R., Rosa A., and Jovana D.



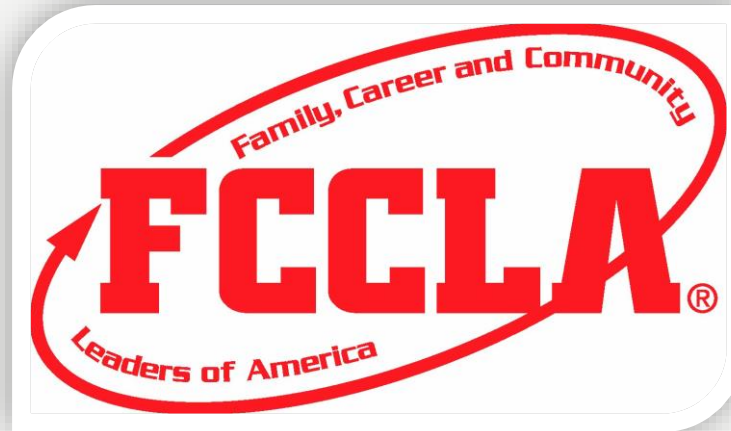
TAFE

Texas Association of Future Educators

FCCLA Family & Consumer Science



Richland High School FCCLA Chapter competing at the Texas FCCLA 2018 Region II Leadership Conference in the STAR (Students Taking Action with Recognition) Illustrated Talk on “How to Prevent Chronic Absenteeism Among Students” thanks to CTSO advisors Mrs. Taylor & Mrs. Lundy

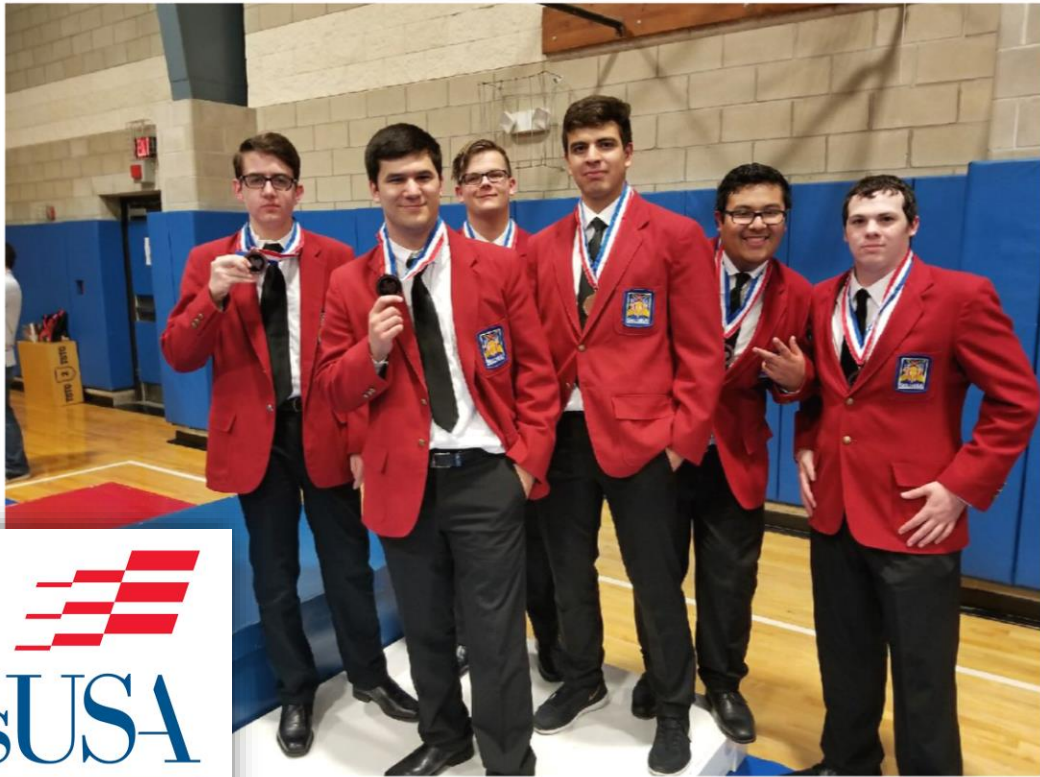


Richland High School FCCLA Chapter competing in Life Event Planning at the Texas FCCLA 2018 Region II Leadership Conference in Waco, Texas

Skills USA Leadership Training

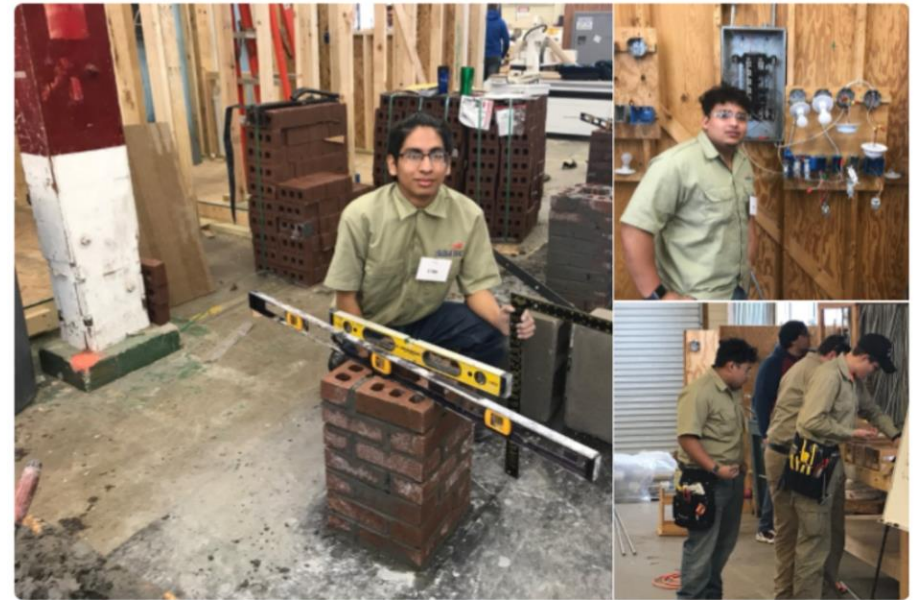


Skills USA Automotive Technology



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Birdville ISD Construction Tech "Champions at Work" SkillsUSA
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Skills USA Cosmetology



Elizabeth Clayton Retweeted



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Birdville ISD SkillsUSA "Champions at Work" #futurebirdvillegrads



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Skills USA Culinary Arts



BPA Business Professionals of America



BUSINESS
professionals
OF AMERICA

Today's students.
Tomorrow's business professionals.

DECA Business and Marketing





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