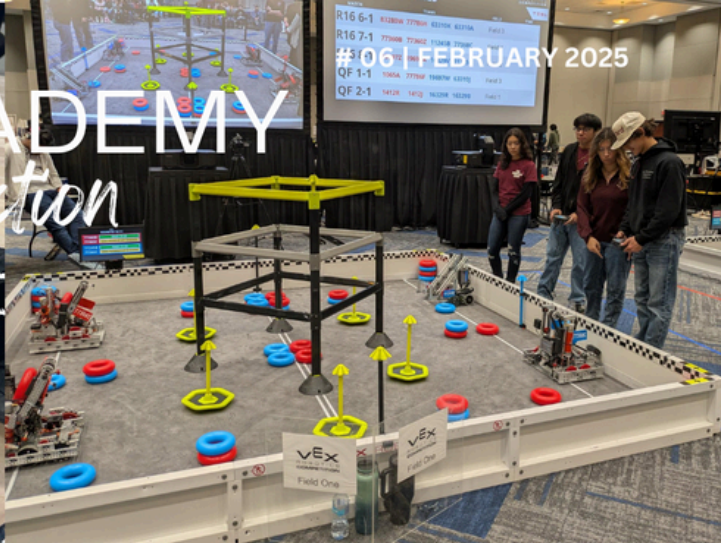


REL ACADEMY Connection



REL Robotics Teams Shine at District VEX Event



On January 18th, our STEM Academy Robotics teams competed at a district VEX Robotics event held at the Berry Center in Cypress Fairbanks. We proudly sent five teams to the competition, showcasing their skills, teamwork, and determination.

Two of our teams had standout performances, finishing 19th and 21st in the standings and advancing to the playoff round. While we didn't make it past the first round of playoffs this time, the students gained valuable experience, strengthened their problem-solving skills, and had an incredible time representing our Academy.

We are so proud of their hard work and dedication. Every competition is a step toward greater success, and we can't wait to see what they accomplish next!

Stay on Track with STEM Academy Expectations!

As we move into the second half of the school year, it's a great time to revisit the key expectations that keep our STEM Academy students thriving academically, socially, and professionally. Here's a quick reminder of what it takes to stay in good standing and make the most of your time in the Academy.

Academic Success Comes First

Maintaining passing grades is essential for STEM Academy students. We're here to support your academic journey, so take advantage of tutoring opportunities, ask questions in class, and stay proactive with your assignments. Remember, students placed on academic probation are not eligible to participate in competitions or field trips. Let's keep those grades up!

Excellence in Behavior and Attendance

Good behavior and regular attendance are just as important as academic performance. Being a role model in and out of the classroom reflects the values of our Academy. Consistently making positive choices helps build a strong STEM community and ensures you don't miss out on exciting events and learning opportunities.

Get Involved! Join a Student Organization

Every STEM Academy student is expected to participate in at least one student organization. Whether you join Ganderneers, Girls in STEM, the Technology Student Association (TSA), or another club, involvement builds teamwork, leadership, and connections that will last a lifetime. While we encourage joining a STEM-related organization, the choice is yours!

Engage in STEM Experiences

To fulfill Academy requirements, students must attend at least three STEM engagements throughout the year. These engagements can include:

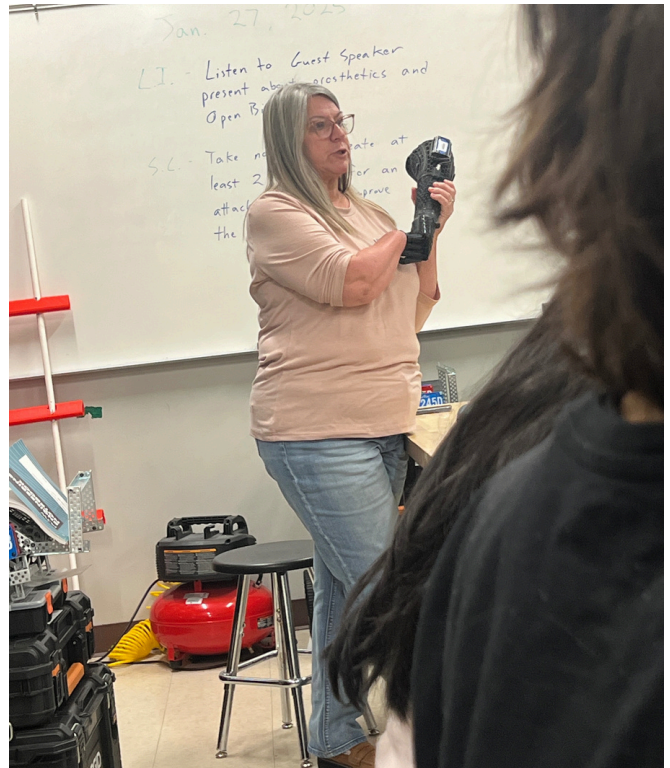
- Field Trips
- Guest Speakers
- Work-Based Learning Opportunities
- Campus Activities
- TSA & UIL Competitions
- Student Organization Events



Engineering Students Inspired by Guest Speaker Michelle Carr

Students in our Intro to Engineering Design classes had the unique opportunity to learn from guest speaker Michelle Carr, whose story brought the real-world impact of engineering to life. Michelle, who lost her arm in an accident, shared her experiences using a 3D-printed prosthetic created in partnership with Open Bionics.

Michelle captivated students with her story, explaining how she first learned about Open Bionics through Facebook. She showcased a variety of prosthetic attachments, including a golf attachment, and shared the challenges she faces, such as keeping the prosthetic secure when sweating. Her presentation encouraged students to think critically about how engineering can address these types of real-world problems.



To help students visualize possibilities, Mr. Richards shared a YouTube video demonstrating various prosthetic attachments for tasks like weightlifting and kayaking. Michelle challenged students to imagine a day without using their hands, sparking empathy and creativity as they prepared for their design challenge.

The lesson exemplified the STEM Academy's mission of connecting classroom learning to real-world applications. Students left the session inspired, eager to brainstorm innovative solutions, and ready to tackle their projects. A special thank-you to Michelle Carr for her time, insight, and for showing our students the power of engineering to change lives!



— IN REAL LIFE —

INTERACT WITH **REAL ENGINEERS**

AND DISCOVER THE
OPPORTUNITIES IN ENGINEERING



WWW.ENGINEERSIRL.ORG

February 22nd 9am-12pm

FREE Admission,

For all K-12 Students & Educators No Registration Required

Hosted by University of Houston Clear Lake

Bayou Building Atrium, Free Parking in Lot D
2700 Bay Area Blvd., Houston, TX 77058

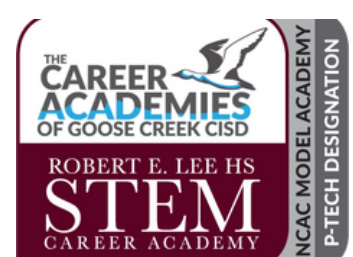
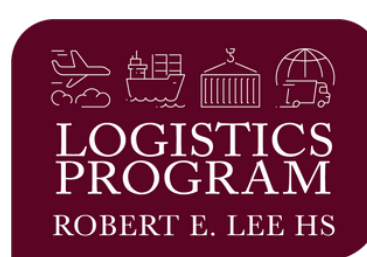
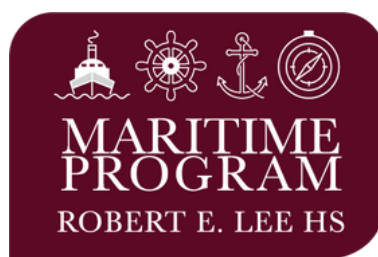


Upcoming Events

| February | | | | | | | |
|----------|-----|--|---|------|-----------|--|---|
| Sun | Mon | Tues | Wed | Thur | Fri | Sat | Notes |
| | | | | | | 1 | |
| | | | | | | TSA Competition | CTE Appreciation Month! |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | | STEM Field Trip TX A&M (Nuclear) | No School | | | SkillsUSA | Feb 6 - Progress Report available in portal |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| | | | | | | | |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | |
| | | | STEM Field Trip Lone Star Flight Museum | | | EngineersIRL at UHCL 9am-12pm FREE Admission | |
| 23 | 24 | 25 | 26 | 27 | 28 | | |
| | | | | | PR 6 Ends | | |
| STEM | | | Cosmetology | | | | Maritime |

Academy Handbook

Academy Administration Team



<https://schools.gccisd.net/page/cte.Academy.STEM>

<https://schools.gccisd.net/page/cte.Academy.Maritime>

<https://schools.gccisd.net/page/cte.CosmetologyProgram>