

"knowledge isn't power,  
applied knowledge is power"



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## A QUARTERLY NEWSLETTER CELEBRATING TUSTIN HIGH SCHOOL'S TECHNOLOGY & ENGINEERING PROGRAM

### SUMMER INTERNS

For the past 11 years, a handful of T-Tech students each summer have had the opportunity to intern at Boeing corporation. But this year, with the addition of TUSD's Summer Intern Program, 15 of our students successfully completed an internship at companies throughout Orange County. This is an amazing opportunity to learn things you can't learn in the classroom and to set themselves apart when applying to college and beyond. If you're a rising junior, it is not too early to start thinking about next summer!



Emma Tassev, Miranda Reyes, Jamira Fernando, Henry Arce, Julian Dominguez and Eric Eichinger - Boeing's Internship Director

### NEW PATHWAY DIRECTIONS

Thirteen years ago T-Tech began to teach 3D modeling and 3D printing to a single mixed class of juniors and seniors. This year, *9th graders* will start their engineering journey in our Product Design Class. This course will focus on 3D modeling with SolidWorks and OnShape but will also include traditional drafting, 3D printing, and team-oriented projects and inventions. The ultimate goal of a student in this class should be to become proficient in 3D Solid Modeling and pass the SolidWorks CSWA exam, a professional-grade certification with benefits lasting into college and beyond.



Alec Baum sharpening his 2D drafting skills

## ENGINEERING CLUB

Historically, only seniors and students involved in our competitions spend much time in the T-Tech shop. This year, our new Engineering Club will give more students a chance to spend time after school working on their own projects in the shop. They will also have first crack at our upcoming competitions including the OC Maker Challenge, STEM on the Sidelines and VitalLink's EV Challenge. This should be especially attractive for those students who are not involved in athletics and have a little more time to spend on their portfolio!



Part of the Engineering Club Gang working on a competition EV

## ALUMNI SPOTLIGHT

This quarter, we highlight Jose Antelo, T-Tech class of 2013. While at Tustin High, Jose was one of T-Tech's original pathway completers and a member of our first competition Electric Vehicle Team. After THS, Jose attended Irvine Valley College and eventually transferred to Cal State Fullerton where he earned a BS in Mechanical Engineering with a minor in Computer Science - all while working full-time! Jose was a key player in IVC's competition robotics team and later, leader of the Titan Rover Robotics team at CSUF where his team developed a fully functional Mars Exploration Rover. Today, Jose works as a Quality Engineer for the Boeing Company in Long Beach, supporting the USAF C-17. He lives in Orange County with his wife, who also happens to be a T-Tech alumni and engineer ;).

Way to go Jose, you make us all proud!



Jose Antelo Navarro, THS Class of 2013

## Upcoming Events

Join us for our first T-Tech Parent Booster meeting of 2023, Wednesday October 4th at **6:00 pm** in the T-Tech shop. "Why should I go" you ask? Because all of our T-Tech students can go pro!

Contact Mr. Hernandez with any questions at [ehernandez@tustin.k12.ca.us](mailto:ehernandez@tustin.k12.ca.us)