

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



WINTER 2023-2024
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A Quarterly Newsletter Celebrating Tustin High School's Technology & Engineering Program

SHOP FIRE

If you're reading this, chances are you already know about the devastating loss of our beloved T-Tech shop. The fire took with it student projects, tools, equipment, machines, etc. But more importantly we lost a place to build, tinker, and call home. Thankfully no one was hurt, all else can be replaced. As you can imagine, the logistics associated with aftermath are enormous. The Tustin Hangar Fire has further slowed the progress of our recovery, but plans are coming together for a complete rebuild of the space as we slowly navigate through red tape. Stay tuned for more updates.



From OC Fire Authority's Twitter (X) Feed

IF YOU'D LIKE TO HELP

The support from TUSD and the Tustin High School community has been nothing short of amazing. It truly is a testament to T-Tech's impact on our students. If you'd like to help, the Tustin Public Schools Foundation has set up a T-Tech Fire Recovery web page for us. Please visit www.tpsf.net/tustinhightech or scan the QR code to make a donation or upload a short video testimonial. Of course, you can also contact Mr. Hernandez or a THS administrator directly.



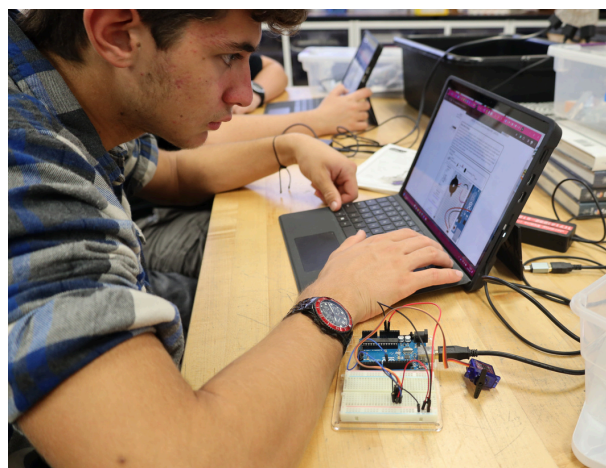
THERE IS GOOD NEWS...STANFORD BOUND!

Congratulations to Julian Dominguez, T-Tech class of 2024 for being accepted to Stanford University. After being matched through the Questbridge program, Julian received early admission and a full scholarship! An amazing student, Julian is always eager to learn and he got to do just that this past summer as a Boeing Summer Intern. He was also a member of the STEM on the Sidelines team and is currently working on his senior group project, an electromagnetic chess board. Julian will be the *second* T-Tech student to attend Stanford in the past four years, joining Natalia Murrieta, class of 2020. Way to go Julian!



ELECTRONICS!

Historically, learning about electronics has been the realm of college students or nerdy hobbyists. Today, our students have tools at their disposal that make Mr. Hernandez green with envy. Arduino, Raspberry Pi, motors, sensors, coding, circuit simulations, and more are all part of the tool kit that allows virtually anyone to take full control of their environment. Do you want to automatically water a plant or create your own Xmas light show? Check. How about making your own RC car or robotic arm? Check. After finishing our electronics unit, the sky is the limit for our T-Tech students!



Jeremy Evans uses an Arduino microcontroller board to control a servo motor

ALUMNI SPOTLIGHT

This quarter, we highlight a fabulous young lady: Anaka Mahesh, T-Tech class of 2020. Anaka will be graduating from USC this coming June with a degree in Electrical & Computer Engineering! She is involved with the USC Makers engineering club, where she is working on improving accessibility to clean water in South India. She is also conducting research in a semiconductor nanofabrication lab, learning how photo resistive transistors are utilized in medical devices for visually impaired patients. As if that was not enough, Anaka already has a job lined up upon graduation as an R&D Engineer at Medtronic, a global medical technology firm in Irvine, where she interned the past two summers. Way to go Anaka, we're proud of you!



Anaka is a former Boeing Summer Intern

SUMMER INTERNSHIPS

The TUSD Career Pathway Internship application window opens this month! From January 29th - February 9th, rising seniors (current 11th graders) are eligible to apply for a number of CTE summer experiences including the prestigious Boeing Summer Engineering internship. As you can see from our Alumni Spotlight, these experiences can literally change a student's life. Visit <https://shorturl.at/dhAMZ> for details or scan the QR Code shown here. Don't miss the deadline!



UPCOMING EVENTS

Join us for our next T-Tech Parent Booster meeting, on Wednesday February 28th at 6:00 pm in the THS Community Space, room 805 (across from the Student Store).