

CITRUS CIRCUITS

MARCH NEWSLETTER

UPCOMING DATES

Sacramento Regional
March 25-26

Silicon Valley Regional
April 6-8

World Championships
April 19-22

WISE Event
May 7

SPONSORS

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DJUSD
TechnipFMC

Grapefruit
Hill Engineering
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Intuitive
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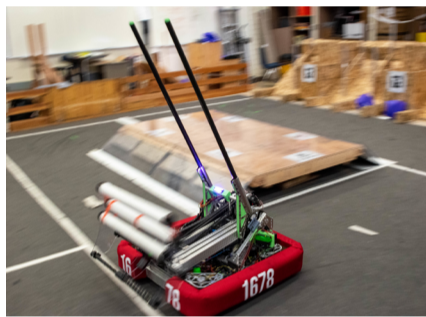
[Youtube](#)

HUENEME PORT REGIONAL

Citrus Circuits had our first regional competition of the season in Port Hueneme on March 4-5. We were the first ranked team and Alliance 1 captain at the competition. With our alliance partners, Team 4414 HighTide from Ventura, California, and Team 696 Circuit Breakers from Glendale, California, we won the competition during overtime finals, which qualifies us to attend the World Championships in April! In addition, we were recipients of the Excellence in Engineering Award, which is awarded for demonstrating a professional approach to the design process. Throughout the competition, Citrus Service had over 130 instances of helping other teams with electrical, mechanical, and programming issues and working to improve their overall event experience.



TANGERINE TUMBLER



Introducing our competition robot for this season, Tangerine Tumbler! With a frame of 26 by 26 inches, Tangerine Tumbler weighs about 90 pounds. It has a rotatable elevator with an intake made of silicone rollers to grab cubes and cones. The 43-inch long forks are rods of carbon fiber that allow us to quickly do a buddy climb during endgame. The current packaging of the robot allows

us to have a low center of gravity and drive quickly. You can check out our newly-released Build Blog on our website to see more detailed information regarding our robot.

DAVIS AND DIXON WISE EVENTS

We hosted two Women In STEM Empowerment events this month, including one in Dixon. At the Mary L. Stephens public library in Davis, female 1678 volunteers led young girls through hands-on STEM activities, such as making elephant toothpaste, frozen bubbles, anemometers, slime, and more. On March 18, we expanded our WISE program to Dixon for the first time. There, students engaged in STEM projects varying from extracting Strawberry DNA and making Lemon Volcanoes to the Salt and Pepper experiment and arranging basic circuitry. Altogether, we had a total of 55 student participants.



SPONSOR OPEN HOUSE

The team hosted an open house for representatives of our 2023 sponsors. The Business and Media subteam gave a tour of our workshop, robots, and provided insight on how the team operates. The leaders of each subteam were able to talk with sponsors describing their subteams' roles. Thank you to all the sponsor representatives that came to visit.

SACRAMENTO REGIONAL

Our next upcoming competition, the Sacramento Regional, will be hosted by our team here in Davis. The event will take place in the ARC Pavilion at UC Davis from March 24-26. A total of 45 teams will be attending the event, including a team from Shanghai, China, who will also be coming to our workshop to assemble their robot before the competition. We are thrilled for this event, and look forward to seeing other teams on the field!