



# CITRUS CIRCUITS

## APRIL NEWSLETTER

### EVENTS

**Girl Powered**  
April 17, 1-3p.m.

**WiSTEMinar**  
April 17, 10-11p.m.

**Season Awards**  
May 15

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### WISTEMINARS

Citrus Circuits' long-standing Diversity in STEM (DiSTEM) program will be holding a series of panels, called WiSTEMinars, where women who have made a career for themselves in STEM will be speaking about their experiences. These panels will be available to the general public, with a focus on the Davis community and FRC. They will be streamed live on April 17 and May 8, and the purpose of these panels will be to encourage girls on the team and in the community to pursue a career in STEM by empowering them via the experiences of others. The Zoom link and additional information will be made available to the public through our social media.

### 2021 AWARDS PRESENTATIONS

For this year's Infinite Recharge at Home Challenges, FIRST required that a group of students present to a panel of judges for each of their submissions. This year, Citrus Circuits participated in the Skills Challenge, the Game Design Challenge, and the Innovation Challenge. As a part of the Skills Challenge presentation students were asked to present an overview of their robot and explain the thought process of each general part of the robot, such as shooting and climbing mechanisms, while the Game Design Challenge asked for students to present the design of the game they submitted, including scoring mechanisms and how alliances might work together. The Innovation Challenge requires teams to present a business pitch for the product they designed to solve a real world problem and how it addresses the problem. The awards will be announced for our region (Greater Central Valley) on May 15, along with the Chairman's Award.

### APRIL GIRL POWERED

Our April Girl Powered event will be held on April 17, from 1-3 p.m. Girl Powered events are meant for girls in grades 3 through 8, and are now held virtually over Zoom, with stimulating activities like making candy catapults, paper bead necklaces, and recycled roller coasters. These events will be supervised by female counselors from Citrus Circuits, and signups are available via our [website](#).

### SKILLS CHALLENGE

1678 has submitted its videos for the Galactic Search, Auto-Nav, and Hyperdrive challenges, and we currently rank first in the [Hydrogen Division](#). The Galactic Search Challenge emulates the autonomous period of the 2020 Infinite Recharge game, while the Auto-Nav challenge has teams program their robots to go along three different paths. Finally, the Hyperdrive Challenge is very much like the Auto-Nav Challenge, except it has teams drive their robots remotely rather than program them to follow a path. Our main robot "Clemen-teeny" used a tank drive and was chosen to participate in the challenges over its "Clemen-twin," "Clemen-tiny," a swerve drive robot. Many thanks go out to our students that worked in the shop with DJUSD-approved cohorts and protocols, as well as students that worked remotely to contribute to the final products this season.

