

# CITRUS CIRCUITS

## NOVEMBER NEWSLETTER

### UPCOMING EVENTS

**Girl Powered**  
November 28, 1-3 pm

### SPONSORS

**Pomelo**  
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UC Davis College of Agricultural and Environmental Sciences  
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American Council of Engineering Companies  
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Da Vinci Boosters  
Frontier Energy  
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**Kumquat**  
Wehner Accounting & Tax, INC  
Moore and Moore Attorneys

**Memorial Gifts**  
In Memory of Grant Coon

**In-Kind**  
Aerometals  
GitHub  
IFI

### LINKS



### DYR SCHOOLS 2020 PROGRAM

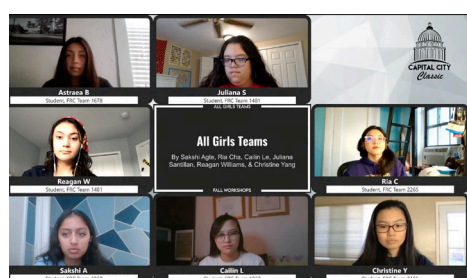
Our DYR Schools Program will continue this year, although not all schools are able to participate. In order to distribute materials to students safely, a spreadsheet has been put together to track VEX IQ kits, and the kits will be quarantined for 14 days, much like the rotational system that was set up to distribute materials for this past summer's RoboCamps. Although we are not using the new VEX IQ game, our COVID-adjusted program seeks to provide the same level of interaction and education that was seen in previous years by using game pieces from former seasons and creating new challenges with them.

### NEW MACHINES AND SOCIALLY DISTANCED FABRICATION

This year, Citrus Circuits will be using a socially distanced fabrication system in place of the full-team work days typical during Build Season. In order to accomplish this, the team has purchased several of the smaller machines, such as routers and lathes. There have also been plans to train new members by lending them the machines while a veteran member has the same machine at their home, and fabricating some parts over video call so that new members have a chance at hands-on learning. A similar system is in place for the Hardware Electrical subteam, who will transport the robot between each member's house so that they can do a portion of the wiring. Plans are also in place for a possible return to in-person collaborative shop work, which will be under review as COVID guidelines continue to change and evolve in our school district.

### FALL WORKSHOPS

This year, our Capital City Classic Fall Workshops were presented entirely online, featuring speakers from 26 teams, 29 presentations and panel discussions, and more than 3,400 viewers. The workshops were organized by 1678 along with Team 2073 EagleForce and Team 3859 Wolfpack, led by Citrus Circuits outreach mentor David Solomon. To manage two simultaneous live streams on YouTube, we partnered with JK Productions to improve our audience experience and keep presentations engaging. Going completely online also created an opportunity to work with



teams from across the country and introduce new workshop topics. Apurva Mishra was recognized with the Capital City Classic volunteer of the year award for his great work organizing both workshops and speakers. It's exciting to see all we were able to accomplish for this year's Fall Workshops

### FIRST SEASON REGISTRATION VIDEO

With the COVID-19 pandemic, many teams have found it difficult to motivate themselves to register again this year, even with the new and adjusted challenges introduced by FIRST. In order to combat this, 1678 has decided to release a video showcasing our recent seasons, how we've personally adapted our meetings to meet social distancing and quarantine guidelines, and our personal hopes for this season. By doing this, we hope that other teams will be encouraged to register for a virtual, but equally educational, FIRST Robotics season.