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**FIRST®: For Inspiration and Recognition of Science and Technology**

Week of

Jan 7, 2019

## Robot Ready or something robot related

### Robot Progression

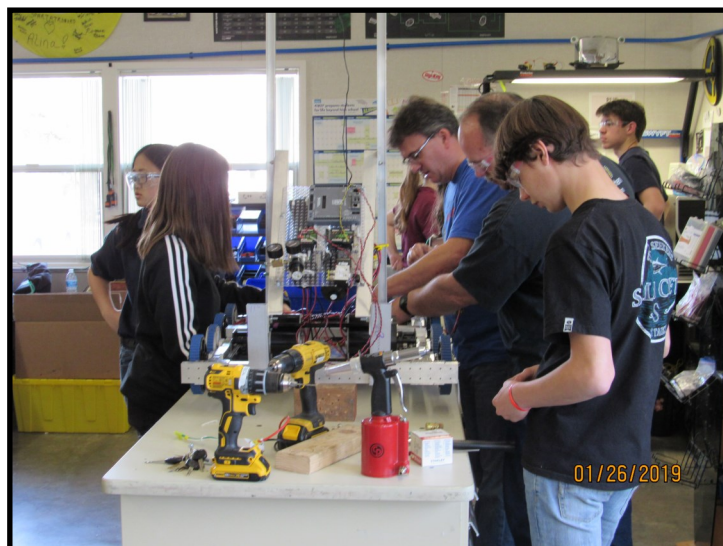
We are already half way through build season, and the competitions are swiftly approaching. Everyone has been working hard to prepare for this year's FIRST Robotics Competition. We've made significant progress these past three weeks, especially in the assembly of our proto-bot (prototype robot). The drive train is fully assembled, the electrical board is mounted, and thanks to the software team our drive train is fully functional. Software has put together an operational vision system on the proto-bot. Using a camera on the front of the robot, our drivers will be able to see the environment the robot is in. We will use the camera to navigate through the sandstorm period (a period during the first 15 seconds of the math where the robot isn't visible to the drivers) during competitions. Because we are far ahead mechanically, we have been able to discuss alternative design ideas for our robot that differ from the ones we previously discussed. Along with all the progress on the proto-bot, we have completed a prototype elevator and we are in the process of building our competition elevator, which we aim to have fully operational next week. We've used our momentum from last week to get ahead and we hope to have our competition robot operational by the end of next week.



*Above: Our team watching a rocket launch*

### 4585 Husky Robotics

Team 4585 Husky Robotics has generously given us their spare Sparks motor controllers, which we were having trouble obtaining. They are an excellent FRC team based out of Hillcrest High School in Utah. We would like to recognize them sincerely for this kind gesture.



*Above: Our mechanical sub-team building comp-bot*

### Upcoming Events

On March 9th from 11:00 to 3:00 we will be having a BBQ cooked by the Lions Club. One ticket gets you meal of chicken, beans, salad and a piece of garlic bread. All tickets must be sold before February 21st so get them while you still can! Tickets are \$10 each. The event will be held at the Orcutt Lions Club, at 126 Broadway St.. We will be making tickets available online shortly, so expect an email announcing that soon!

**SPONSORtroniks** is a weekly publication of FIRST 3512 **Spartatroniks**, from Orcutt Academy High School. We value our sponsors and supporters, and would love to hear your comments and suggestions at [business3512@gmail.com](mailto:business3512@gmail.com). You can learn more about us at [spartatroniks.com](http://spartatroniks.com).