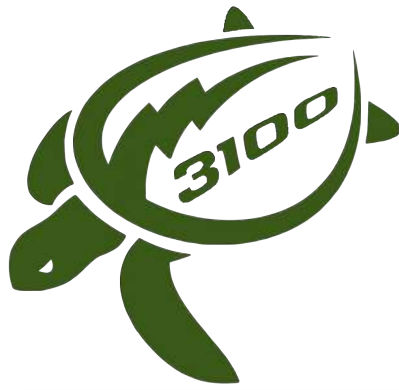


This Week:

- ✓ Kickoff
- ✓ Brainstorming
- ✓ Field Elements
- ✓ Drive Train



3100 Lightning Turtles

Weekly Newsletter

Build Season Week #1 - Jan 13, 2018

Coming Up:

- ☐ Evaluating team-designed Prototypes
- ☐ Initial Drivetrain Programming
- ☐ Prototype Programming

Later:

- ☐ CAD Modeling of Final Robot
- ☐ Fabrication of Final Robot Parts



This Year's FIRST Challenge: *Power Up*

Teams will compete to place Power Up cubes on switches and scales to earn points. Teams who "own" their field elements and score other game power ups - including ascending above the field will win!



The “Scale” Field Element and In-Progress Robot Prototype

After days of work, we have completed the Scale, the Drivetrain Frame, and the Elevator for our Robot.



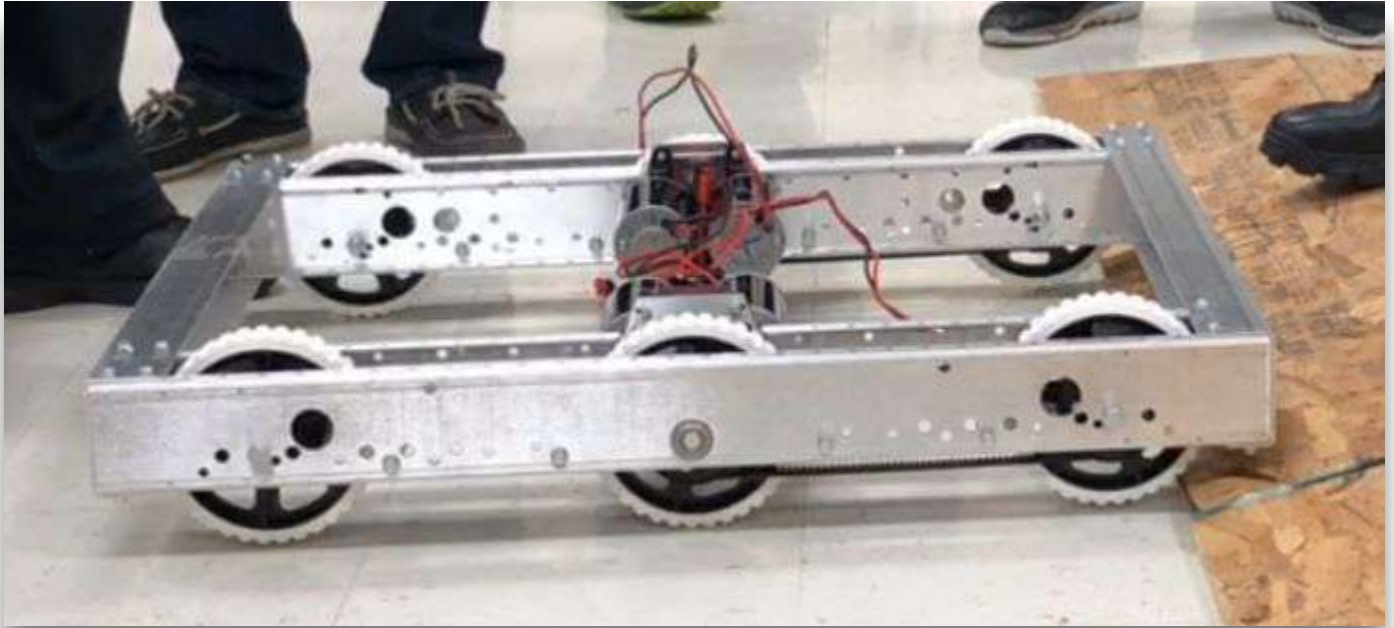
Aiden Cutting The Scale's Axle



Corbin Working On The Robot Prototype

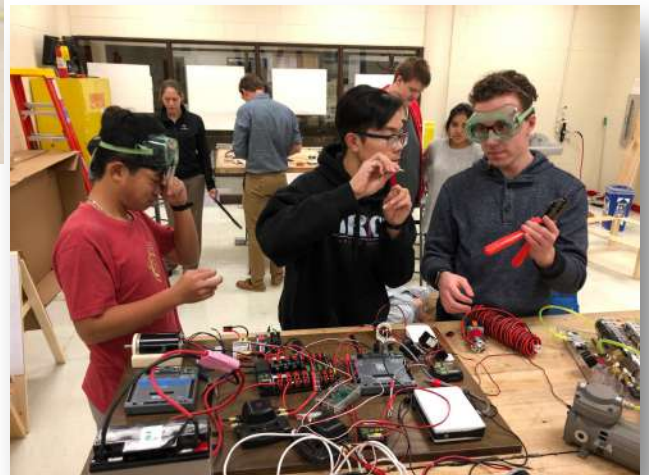
Working on the Drive Train

We began to work on the drive train near the end of our first week of prototyping, using mostly new and some old parts from previous year's robots to put it together



**Quan, Khai, and Aiden
working on the
Electronics Board**

**Corbin and Team Mentor
Conor Working on
Collector Prototype**



Team Animations Completed

Our Media Department made Intro and Outro Animations for our YouTube channel



Intro Animation:

<https://www.youtube.com/watch?v=f4jzyWZHw9o>

Our Youtube Channel:

<https://www.youtube.com/channel/UCasCnsLIqfCEV9WlaFmJqGA>



Outro Animation:

<https://www.youtube.com/watch?v=qHLztIVRMXM>



Interview:

With Team Mentor, **CHARLES**

Q: How did you get involved in robotics?

A: I have always taken an interest in engineering...In 2006, when I was in 8th grade, my family and I moved to a city that had a FIRST robotics team at the high school there. My brother joined the team, I decided to join it as well at the same time.



Q: Where did you go to college?

A: I went to Indiana University Purdue University Indianapolis, a satellite school for Purdue's engineering programs.

Q: What is your favorite FRC Robotics success?

A: The time the team won a regional in 2009 was very exciting!



Q: Which team member do you believe has transformed the most since day one?

A: That's an easy one... Bailey, because she has quickly evolved from joining us to work on media, web and animations to becoming a great woodworker and prototyping contributor during our first week of the build season.

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