

Our 2019 Build Season  
by Week



Henry Sibley High School

# Lightning Turtles Robotics Build Season Newsletter Week #4

January 27th - February 2nd

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## Week 1

- Kickoff
- Strategic Design
- Prototyping
- Drivetrain CAD Design

2

## Week 2

- Finalize Subsystem CAD Designs
- Begin fabrication

3

## Week 3

- Final Fabrication
- Drivetrain complete
- Begin Assembly of Subsystems

4

## Week 4

- Still Assembling Subsystems (short, cold week)

5

## Week 5

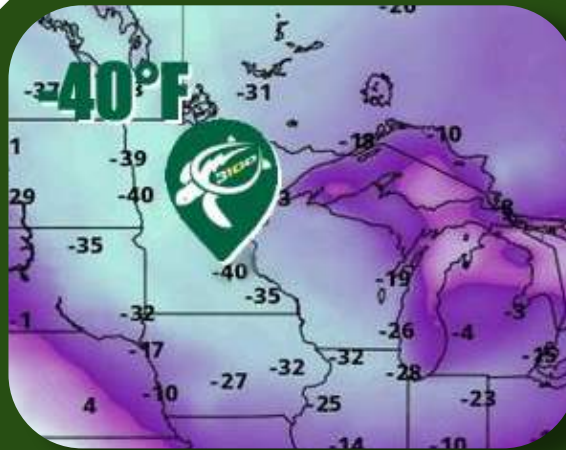
- Finish assembly
- Start 2nd Robot
- Begin programming

6

## Week 6

- Full Autonomous Programming
- Programming Tuning

## SCHOOL WAS CANCELED for 4 DAYS WE'RE GETTING BACK ON TRACK!



*Because of the #PolarVortex that swept its way across the Upper Midwest and resulted in windchill temperatures as low as -45°F, we were unable to have our regular robotics meetings for most of the week. All was not lost - we still made significant progress over the last 2 days!*

## INSIDE:

HANDS ON

STUDENT SPOTLIGHT

FROZEN!  
NOT AVAILABLE!

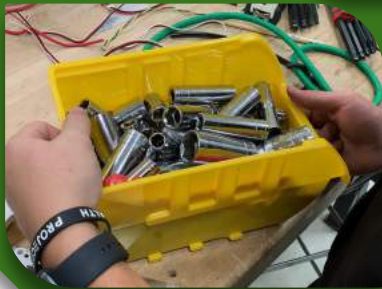
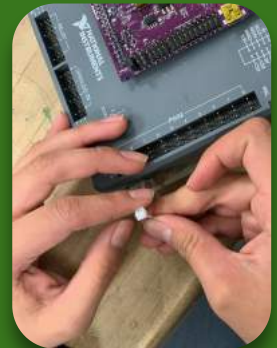
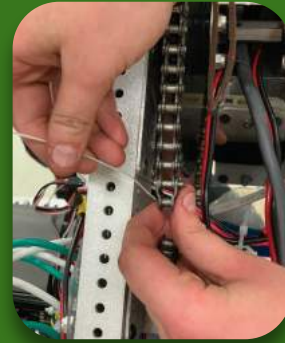
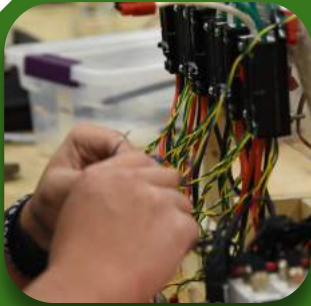
TEAM FUN

BUMPERS

## Where are Pictures of Our Robot?

*We are purposefully showing little of our robot in progress as we think we have a very unique design which will be fully revealed in just under 2 weeks!*

# HANDS - THE ULTIMATE CONTROL SYSTEM



## BUMPERS

Bumpers are a robot's best friend! They provide protection from bumps, scrapes, accident prone drivers (including our own) as well as keeping the robots from damaging the playing field. We've gotten better at building bumpers every year & will be proud to show off our newest in 2019.



**Fundraising for 2019:** We have a goal to raise **\$40,000** and we're over 85% of the way there! Please see the last page for info on how you can sponsor us!

# STUDENT SPOTLIGHT

## Ben H.

Q1 How long have you been involved with FRC?

A1 I have been involved with FRC since my freshman year, so a little over 4 years.

Q2 Describe the knowledge and skills you bring to the team.

A2 Enthusiasm and a little bit of everything.

Q3 How do you handle criticism?

A3 I handle it rationally and with positivity like anybody should.

Fun Fact: My favorite animal is a sea cucumber



## Jacob S.

Q1 Who has inspired you in your life and why?

A1 Christopher Stecher (my brother) because we do a lot of things together.

Q2 How do you evaluate success?

A2 Based on whether or not someone puts in real effort.

Q3 If you could be any animal in the world what would you be and why?

A3 A cat because they're lazy.

Fun Fact: I have two lazy cats.

# TEAM FUN!



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