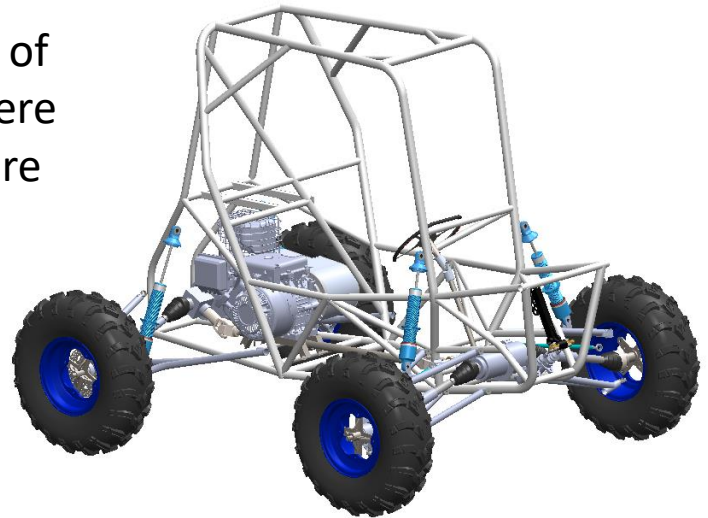




TEAM HIGHLIGHTS

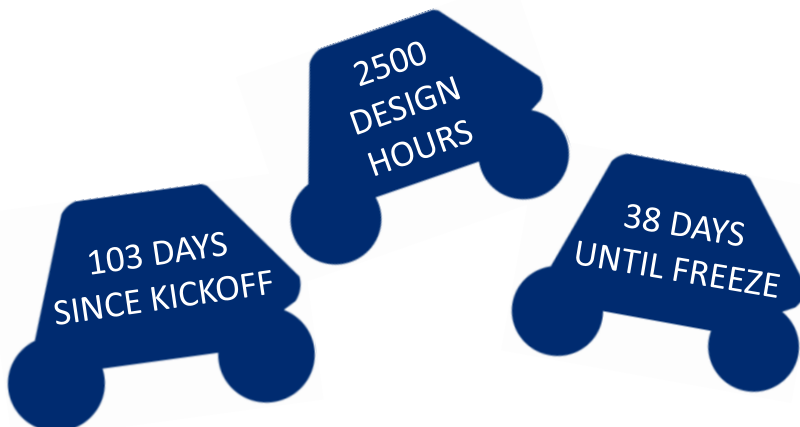
We had our first internal design reviews in early July and we've got lots of exciting improvements in the works! Here are some of the high-level changes we're looking to make this year:

- Controls
 - Carbon fiber tie rods
 - Aggressive rotor lightening
- Suspension
 - Removable anti-roll bar
 - Points designed to tricycle through corners
- Frame
 - Rear bracing
- Drivetrain
 - Custom front differential
 - Three different driving modes



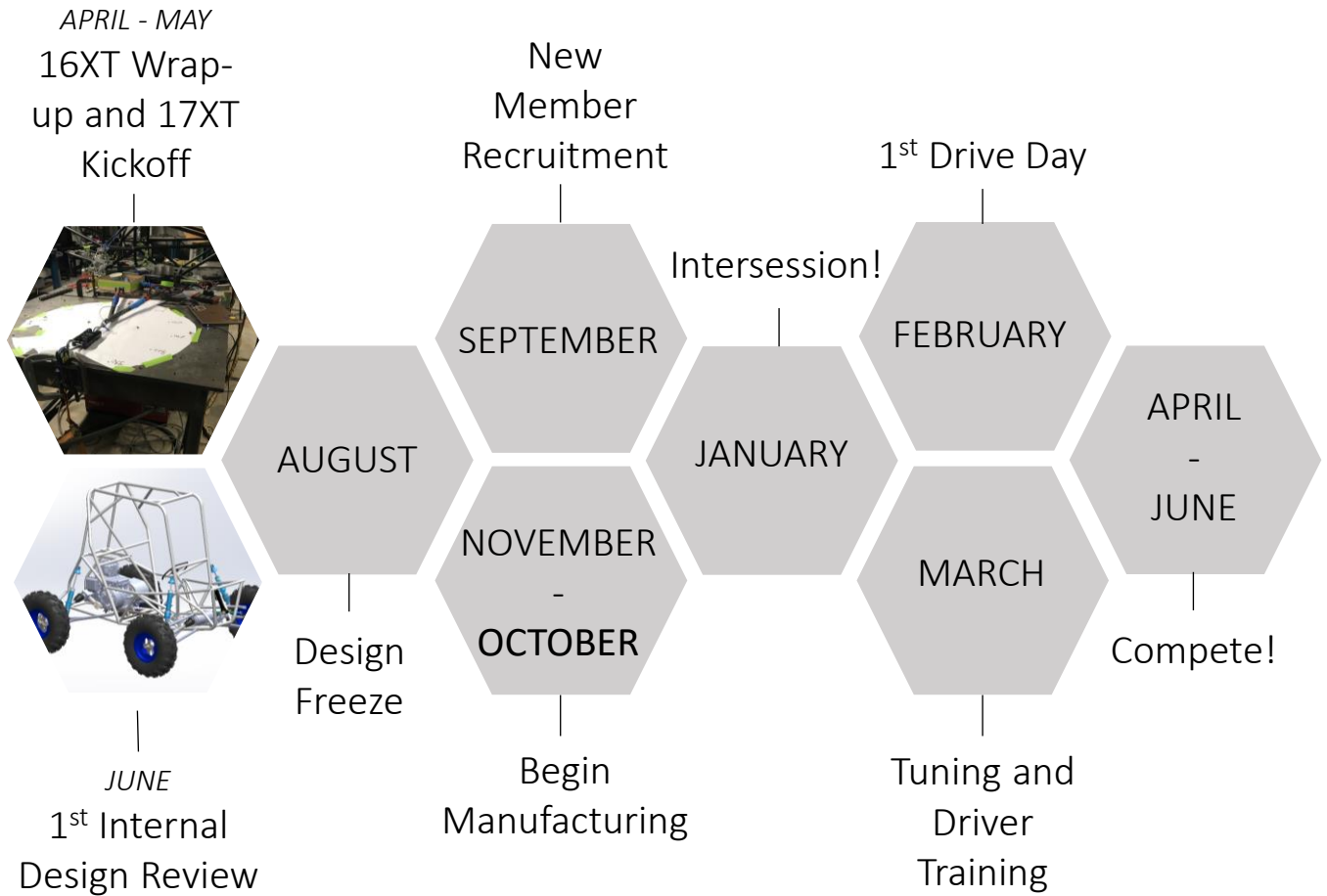
We used this preliminary design review not only to get feedback from team members of the technical aspects of our designs, but to get practice presenting our designs and answering design-judge-style questions that we'll eventually be facing.

Of the 22 designers who presented during the four subsystem design reviews, 16 were new team members!



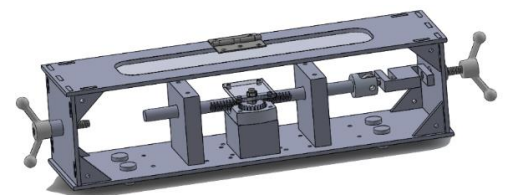


TIMELINE



ON THE HORIZON

With just six weeks left before Fall classes start back up at Hopkins, we've got a lot of work to wrap up the design of the 17XT! We want to hit the ground running when we get back to campus, so we're hoping to freeze all designs before the semester starts. In addition to starting manufacturing vehicle components, we've also got plans for new testing rigs – a tire testing rig to quantify different tires' traction capabilities, a shaft testing rig to validate our half shaft calculations, efficiency testing for drivetrain components, and a rack testing rig to validate our rack loads.





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Thank you to our two newest sponsors, Top Flight Automotive and FMW Fasteners!



Top Flight Automotive offers a huge selection of vehicle

components for a variety of brands – providing parts for upgrades, maintenance, and performance enhancements. Their experts help car enthusiasts find the accessories they need to get the job done!



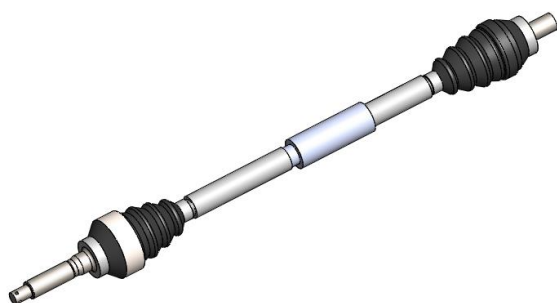
FMW Fasteners supplies high-

quality hardware and tooling, from concrete screw anchors to wood drill bits to every kind of washer you can think of! They offer contractor-grade products from a range of trustworthy manufacturers.

TEAM MEMBER SPOTLIGHT



Meet Yaw! He's a rising junior Mechanical Engineering student from Ellicott City, Maryland. He joined the team in his sophomore year, and worked mainly on DAQ test data organization, manufacturing suspension uprights, and graphics. This year, Yaw is designing drive axles with built in slip joints for extra plunge! He's also working on validating our loads through shaft testing and designing a hood for the car.





BLUE JAY
RACING

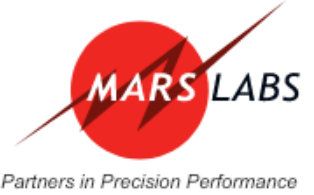
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