

TECHNICAL DIFFICULTIES TEAM 4085



Newsletter **Week # 1**

Jan 14th, 2023



Kickoff Week

4085 Media Team

Welcome to the beginning of the 2023 FIRST robotics season! Our team had our first meeting on Saturday, January 7th where the theme and design for this years game/challenge was announced! Following the game reveal, our mechanical team has started brainstorming and coming up with the designs for a potential robot for this years competitions. The marketing team has also been preparing for events and planning for our First Impact video. With this exciting new robotics challenge re-imagines transportation; by using teamwork and innovation in order to construct a robot capable of moving cones and cubes to be placed in certain areas on the game field. To learn more about this years competition, [click here!](#)



PRESENTED BY **HINAS**
GeneWan Foundation



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Technical Difficulties 4085



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Marketing Team

The **outreach** sub-team has been working hard, setting up plenty of events to increase our involvement in the community . They have created a robotics club for Herbert Mills Elementary, connected with local girl scout troops on two occasions, and we have an upcoming episode on Mayor Joe Begeny's talk show on the 25th of January!

The **business** sub-team has been working to connect with various companies to try and get more sponsorships for the team. They have also been contacting more restaurants for fundraiser nights.

The **media** sub-team has been working on creating regular social media posts, making our team's website, and making newsletters like these! On top of this, we are also prioritizing the creation of our storyboard for our First Impact video.

Build Team

The **mechanical** sub-team has come up with a final design, which involves pivoting arms. They were working on some math to see if it would work well, and so far have seen that it will.

The **electrical** sub-team is working on teaching pneumatics to new members of the team. They are working on finding out where to put electrical components on our robot.

The **fabrication** sub-team is cutting out and measuring components for our charge station, and also beginning the construction of it. They are also constructing other field components.

This week, **tactical** has been gathering statistics from previous years on which robots are most effective at scoring points.

This week, our **software** sub-team has been downloading software that will be used for the season. They have been trying to work on the swerve drive of our robot. On top of this, they have been getting the mini robots ready to be coded so new members can get base knowledge on coding.



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