



# The Regal Report

February 2023 Newsletter



## Upcoming Events

The Regal Eagles will be hosting our 5th annual Regal Eagle Rampage March 5th, 2023! Rampage is a practice event we have for Long Island teams to practice the new game, before regional competitions. Our carpentry team works to build the playing field entirely out of wood for teams to get comfortable on. For more information, check out our [website](#) for past Regal Eagle Rampages!

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## Outreach

Continuing from the work from last year, our outreach team has finished the Impact Award essay and short answer responses. Now that the writing portion has been completed, the team has started filming the video to go along with our writing. Additionally, the outreach team has been preparing for Regal Eagle Rampage, by collecting food donations to be sold for breakfast, lunch, and snacks! Also, coming up in March, we will be meeting with two state legislators to advocate for STEM and FRC in the community and state-wise.

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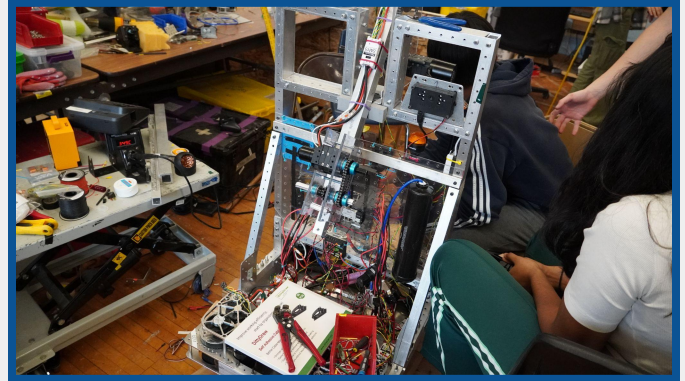
## Mechanical

The mechanical team has been working hard to complete the arm for the robot. The arm has had some issues with handling weight, so the team has tried reconstructing the arm. The new arm is being built out of aluminum to be as strong as possible, while still being light. Additionally, the team has been perfecting the chassis of the robot to improve the robot.

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## Electrical

The electrical team has been working on the electrical panel and how it will work with the other electrical components. They have wired it to the chassis, so the robot can now move around with its new belly pan and chassis frame. Also, the team has been working to create the vertical panel to be mounted on the body of the robot. To make this process easier, the team is using the CNC to drill holes in the panel.



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## Carpentry

The carpentry team has been using wood to complete the construction of the Charged Up game field. Working with the carpentry team, we have an art team that has been painting and designing the game field components. Construction of the field will take place Saturday, March 4th, the day before Regal Eagle Rampage on Sunday, March 5th.

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