

About Us

609 Cougars has been doing FTC Robotics for 12 years and to this day, our team of experienced programmers and builders has never been stronger! Consisting of 7 builders and 4 programmers ranging from grades 8-12, we are constantly improving on our skills, always learning something everytime we meet. Varun, our captain of our team and mentor, has been of not only great assistance towards the mentoring of the newest members, but has been very productive during our meets.

our Mentors

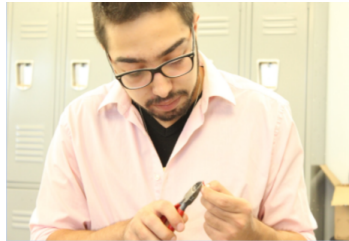
MR. WHITEHEAD



MR. G



MR. B



MR. AYDOS

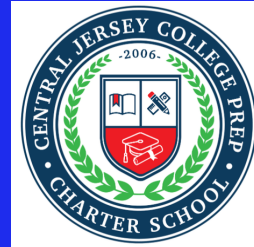


contact us

School Email - info@cjcollegprep.org

Mentors Email - kwhitehead@cjcollegprep.org

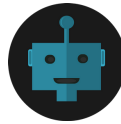
Team 609





OUTREACH

Vishal and Elias, which are both in charge of outreach have worked together with our schools outreach coordinator, Mrs. Cebe to reach out to our community and throughout the school. For example, we worked with our school's art department to design the side panel of our robot. As a team, we were privileged to go to Aloha math to teach young children about FIRST and robotics



ROBOT DESIGN

Our current robot consists of two main mechanisms. The first is the claw mechanism. It uses a rack and pinion system to move the claw up and down. Attached to the rack and pinion are two servos that open and close the claw. The second mechanism allows us to pick up the relic and place it in either zone 2 or 3. We 3D printed a locking mechanism that hooks onto the relic. to reach to zone 2 or 3 we use a cascading lift with two stringing systems. One to push the lift out and one to bring it back.

Team Members



Builders:

Rohit
Vishal
Monish
James
Pablo
Sneha



Programmers:

Farhan
Nihar
Harshika
Elias
Varun



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Pitgerald

Morgan Stanley

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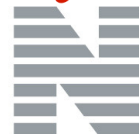


bgc

Johnson & Johnson



BNP PARIBAS



Newmark Grubb
Knight Frank