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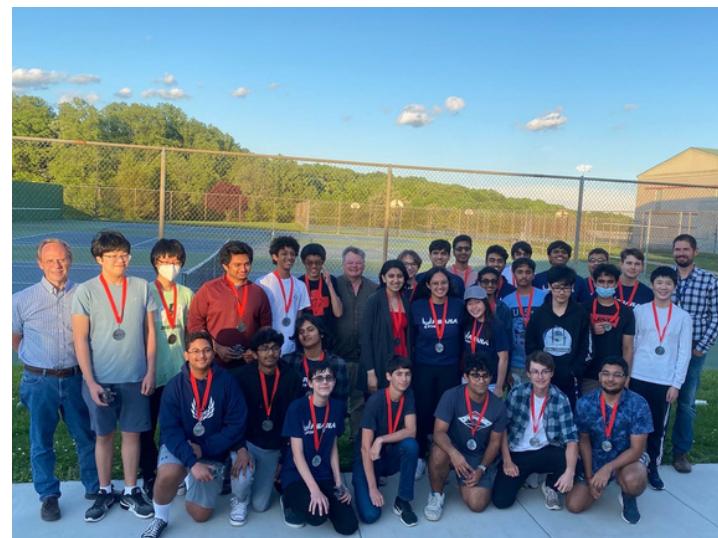
With November just being work. December has many other plans for us. The first is Bunny Bots held on December 10th, and STEM night held on December 15th. We are also planning our FRC season kick-off will be on January 7th when they will be announcing the games. The FRC season officially begins somewhere in March. We are really excited to be participating in all these events.

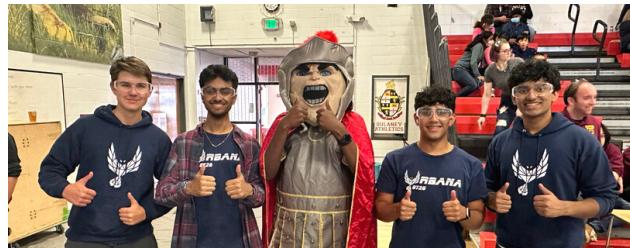
As of this year, we are trying our best to put forth as much content as we possibly can on our social media pages. We are working with our student's schedules, so it is not easy. Even last year, we tried our best to put content out, but that was our first year as a team. Our goal is to show the world all of the hard work and talent we have in robotics. [Here is a link to our social media pages \(including, Twitter, Insta, Youtube, etc\)](#). Please go check out our pages, it would mean a lot to us. This is our main way of reaching out to the community after all.

HOPPING FOR BUNNYBOTS

SATHYA KRISHNAN

We are getting into the mood of the season, with the second off-season competition, Bunny Bots being just around the corner. As you all know, we were off to a great start by winning our first off-season event at Battle O' Baltimore. With the 2021 -2022 season officially being over, we are focusing on how to make robotics more efficient and better as time goes on. We have made many changes over the past few weeks. As time goes on, we are making serious progress with almost every aspect of robotics.





We are trying to make content more regular, and it definitely will, once the season officially starts. Our next blog will be coming out soon, with all the insiders on the Bunny Bots Competition. We have also been working with graphic designers in our team to design merch (which will be coming out soon, so wait up!). Next, our outreach division is almost done with organizing STEM night. We have the domino robot, fun physics labs, and other activities all planned out for the night. We already have 30+ kids coming. We now only need volunteers to help out with the event. Our business side also has an impact on STEM night, because we are expecting around \$500 coming in through this event to help out robotics.



NON-TECH DIVISION

Our non-tech side is off to a great start! It is finally getting more organized. Our Marketing side has been divided into groups (if it's a bigger project) or even individual people (if it's a smaller project) to get things done quickly and more efficiently. As of now, marketing is focussing on advertising and making more content for our social media pages.

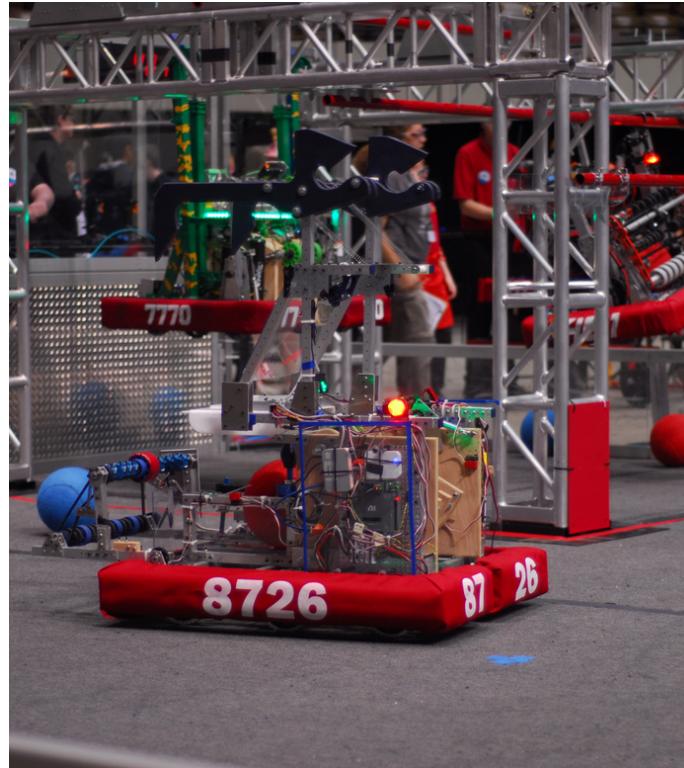


Even though this may seem like a small amount, every penny counts when it comes to saving up for such a large sum of money for various uses, especially entering competitions. Recently, our business division started to reach out to companies to start fundraising for robotics before the season officially starts in March. They are planning to reach out to *Tropical Smoothie*, *AFT (American Federation of Teachers)*, and other organizations or companies in the coming 2-3 weeks. We have some sponsors willing to help us like *Haas Automation* and *Manhattan Pizza*. We are excited to be working with them. We also contacted some of our old sponsors and some even reached out to help us. To be honest, Bunny Bots was not such an expensive project because it was an off-season project. Although, it's only going to get harder from here.



BUNNY BOTS PROGRESS!

Our mechanical and control teams really work together to get any project done. They have really been on a roll these past few weeks building the Bunny Bot and programming it. As said in our previous blog, Mechanical broke up into 3 sub-teams (drive, arm, and intake). In the past 2 weeks, the sub-teams have come together to piece the robot together. The team has just finished up some tasks for intake/arm, workbench, funnel, and drivetrain. Mechanical is practically done with the Bunny Bot, so control can take over.



Currently, control is just finishing up the wiring and coding for the robot. Once that's done control will be focused on how to control the robot and practicing until the big day. The mechanical side is helping with the final touches of the robot. All they have to do now is test the robot for any imperfections! Mechanical and control spent long hours on this robot, with meetings almost every day sometimes. The robot looks great, with all this hard work and talent being put into it! Especially with such a huge time crunch! We only have five more days will the competition at *Mongomery Blair High School* on December 10th. We invite all students, staff, and parents to watch us compete, either in person (should space permit), or via Twitch, where almost all FRC CHS events are streamed.



We have made some serious decisions and changes to robotics in such a short amount of time. We also have gotten a lot done in that time as well. To say we are proud is an understatement! Robotics requires a lot of problem-solving and decision-making skills apart from building, programming, writing, and other necessities. Things here happen really fast and to keep up, we are always updated almost every day through discord, where we share all the info needed to get across.

Thank you so much for reading, and we thank you for your continuous support!

HOW YOU CAN HELP

Robotics is a very well-rounded opportunity for all types of kids. As you all know, money is always tight in robotics. With the season and competitions approaching, we need the money to fund robotics as a whole. The most expensive part is the entry into the competitions. Which is around in total of \$29,000 including the finals. We also have to include the budget for building the robot and hosting events for robotics. As we said, our business division is currently on the hunt for more sponsors and grants. Our goal is to get as many sponsors and grants as we possibly can before the season starts. We are on a bit of a time crunch since we only have around 4 months before the season actually starts.

If you or someone you know have contacts with a company that is willing to sponsor or mentor for us, please contact *Mr. Joshua Holmes* at joshua.holmes@fcps.org. We have a sponsorship packet that gives a rundown on the benefits of sponsoring us, which you can obtain a copy of the pdf [linked here](#), and here is the individual interest form that you can find [linked here](#).