

ROBOTICS

a newsletter about IMSA's FRC season



A Sneak Peek At What's Coming Next Month: **INTERSESSION!**

By the FRC Business Team

Every year, before the start of the spring semester, our school holds an “intersession week” where, instead of regular classes, students are allowed to sign up for week-long courses on a variety of non-traditional topics. As intersession week always occurs during the beginning of January, shortly after the official season release, our team is able to hold our own intersession course, where our team members can spend the week pouring over the season’s game manual and coming up with strategies and designs.

However, with this year’s intersession being held online, our intersession has been cut down to three days instead of a full week, and we will mostly be continuing past projects and working on any online competition materials. Despite these unusual circumstances, we are excited to have the opportunity to work together and bond as a team, and we are looking forward to the official FRC season release next calendar year.

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UPDATES

Because of final exams and winter break this month, each of the subteams were unable to complete as much, resulting in fewer updates to give. However, as you continue reading, be on the lookout for a fun surprise on the next few pages!

Something New!

The computer mice requested by students in order to aid with CAD through SolidWorks have been shipped and are in the process of being delivered.

Design Integration

The Design Integration team is working on individual design projects including a shifting gearbox, an elevator incorporating a shifting gearbox, a telescoping box tube climber, and a swerve module design.

Electrical

Electrical parts are in the process of being ordered for the electrical subteam for intersession.

Mechanical

The mechanical subteam plans on working in project groups with the Design Integration team to design new useful tool storage components.

Programming

The programming subteam will be having open sessions to discuss advances and challenges within the team.

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What Is The Robotics Team's Favorite Part of the Holiday Season and Winter Break?

Listening to Christmas music and opening advent calendars

Hanging out with family

Being able to focus on CADing without having to worry about any schoolwork

Snow!

Watching Netflix shows and spending time with my family without having school work to do

Drinking hot chocolate and putting on fuzzy socks

The time off school and the extra sleep

Baking cookies and listening to Christmas music

Sledding and skiing

Having more time to talk to friends and loved ones

What Is The Robotics Team Looking Forward To Once The Season Officially Starts In January?

The opportunity for continued collaboration between our subteams

Setting goals and accomplishing them

Learning how competitions generally run so that when we go back on campus, we are ready to go

Having fun doing what I love

Learning and developing more of the skills necessary to build a robot

Getting to know my teammates more

Start working with IMSA's Girls IN2 STEM program to create a robotics workshop that can teach the mentees about STEM and FRC!

Designing a functioning robot with the rest of my team as well as other useful mechanisms

Progression on the robot and seeing what the team has in store

AND A BIG THANKS TO ALL OF OUR SPONSORS!

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THANK YOU FOR READING!

Look out for the January issue in a few weeks!

