

HCS / Unity Christian Robotics

VRC 2022 - 2023 Season Information (7th-12th)

We are excited to get started with Hudsonville Christian and Unity Christian Robotics 2022 - 2023 VRC Robotics season. This is for 7th through 12th graders.

About Us:

Our teams compete using VEX Robotics materials. The robots are designed, built, programmed and operated by a team of students. All aspects of the robot are intended to be handled by the students. Our goal is to provide the necessary equipment for a team to succeed. We will provide coaching and materials, but will not design and build for the students. Each team must maintain a notebook that records all plans and accomplishments.

Website for HCS/Unity Robotics [HCS Unity Robotics Club](#)

Competition:

At events, teams will compete using the current game with other teams on the field. They will also compete in timed skills events where they are the only robot on the field. Finally, they will present their engineering notebook and explain their robot to the judges. Here is a link to the current game: [Spin Up - Link](#)

Coaching:

Coaches are to be the team assistants. Their goal is to keep the team focused, organized, and to help them find answers to problems. They are advisors, but should not be designing, building, or programming. High school teams do not have coaches, but will have a team captain. We will have mentors that will be ready to help support high school teams. Middle School teams must have a coach. You need not have robotics experience to be a coach... just love to hang out with kids!

Build Center Location:

We will meet in the new robotics FLEX space at Hudsonville Christian Elementary School. Park in the west lot and enter through the West door - look for a "Robotics" sign on the door .

Build Center Schedule:

Our build center will be open on Tuesdays and Thursdays from 6:30 - 8:00 and Wednesdays from 3:00 - 5:00.

Team Selection:

All students will be placed on teams selected by the HCS/Unity Robotics Steering Committee. Similar to the Little League program, we want to distribute skill sets to each team. We feel this will make strong and diverse teams. Students will be placed on teams of three to four members.

Our goal is to enroll as many students as possible, but we will be limited by the number of coaches who volunteer. We will place kids on teams using the following priorities: 1) students with parent coaches, 2) students returning to the program, 3) students with prior robotics experience, 4) new students with no prior experience.

Student Expectations:

As with any school activity, students will be expected to behave in a courteous and respectful manner while interacting with volunteers and other students. We bear the name of Christ, so we will especially expect Christ-like behavior at tournaments and league meetings.

Communication:

We have a website to store information and updates, but we will also use email (both parent and student).

Registration Fee:

The fee per student is \$160. This includes a team shirt, one league and two tournament fees, and covers the use of parts and equipment. HCS will cover the cost for 7th and 8th graders, Unity will cover 9th - 12th graders.

This fee does not include registration for the regional, state or world tournament. Should teams qualify, we will host a fundraising event or look for sponsors to cover the costs. HUCS Robotics is a volunteer driven, non-profit, that works to give students a fun and competitive robotics experience. Almost 100% of the equipment and supplies needed for students to compete is provided by the organization. We receive donations from supportive businesses and parents that help us maintain and expand the program.

Schedule:

The season runs from August (high school students)/September (middle school students) to early December. Students will be committing to a build/practice one to two evenings per week. They must also plan on league nights on alternating weeks starting in October and at least two Saturday tournaments. If a team qualifies, the State finals are in late February and the World tournament is in April.

This program is time consuming much like any other extra-curricular activity. Some students may compete in robotics and another fall activity, but be aware this will make them very busy. Make the decision to participate that is in the best interest of the student and their team.

[2022-2023 Schedule - Link](#)

Sign up using the form linked here. Registrations due by September 2. [Registration - Link](#)

Need help? Connect with...

Mrs. Spotts at sspotts@4hcs.org

Cell 616.610.4134

