

ROBOTICS

OCEAN VIEW CHRISTIAN ACADEMY

INFORMATION FOR STUDENTS AND VOLUNTEERS



OBJECTIVE

The goal of OVCA Robotics is to introduce students to advanced curriculum through project based experimentation. This is accomplished through STEM education as it relates to the challenges teams will solve while participating in the team environment. The challenges are a part of the "First Lego League", or FLL. Robotics teams are extracurricular and are sponsored by volunteers and grants have been provided to purchase the computer and robotic systems, along with all of the parts and pieces.

TEAMWORK

Teams consist of up to 10 members between the ages of 9 and 15. Students who turn 15 after January 1st of the current year are eligible to participate.

Teamwork helps students learn how to function socially and emotionally as they work together on projects that will hone their critical thinking and reasoning skills. Each team member will play an integral part of the team, learning to collaborate and depend on one another as they seek success together. The feeling of accomplishment further solidifies the experience.

STEM

STEM stands for **S**cience, **T**echnology, **E**ngineering, and **M**ath. These four critical disciplines are framing the future of jobs and our economy. OVCA is working together to prepare our students to be successful in these fields as they live a life of purpose in Christ no matter their career path.

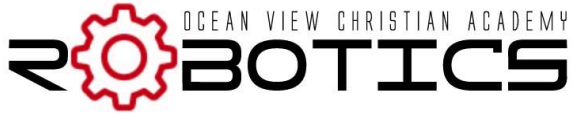
In the "First Lego League", students will learn by applying real world math and science concepts and confronting challenges faced by today's scientists while designing, building, programming and testing the team's robot.

SUPPORT [VOLUNTEERS NEEDED]

OVCA Robotics is an after school, extra-curricular program that *relies on volunteer support*. Roles vary as well as time commitments required. **However, in order to offer this program we need YOU!** Assisting with a team does **NOT** require technical know-how or computer expertise. Teams already have experienced coaches. Simply helping to oversee students working with Legos and engaging with the annual challenge topic is all that is needed.

If you are interested, please complete the lower portion of this form and return it to the school office by **Wednesday, September 12th**.

VOLUNTEER APPLICATION					
NAME _____			EMAIL ADDRESS _____		
PHONE _____		TEXT Y / N	STUDENT PARTICIPANT [If applicable] _____		
AVAILABILITY [Circle days/times you are available]				T Shirt Size _____	
MONDAY 3-5	TUESDAY 3-5	WEDNESDAY 3-5	THURSDAY 3-5	FRIDAY 3-5	WEEKENDS _____



OVCA ROBOTICS STUDENT APPLICATION

2018-2019

RETURN FORM BY WEDNESDAY, SEPTEMBER 12th

TEAM MEMBER QUALIFICATIONS

- 9-15 years old (Can not have turned 15 prior to January 1 of the current season)
- Must commit to attend every work meeting and event
- Must be able to work both independently and in a team environment
- \$40 participation fee required
- Must be able to demonstrate positive learning habits
- Must be able to accept failure as a tool for learning
- Be of good character, demonstrating honesty, integrity, and respect
- Have an overall minimum GPA of 2.5*

* Due to the limited spaces on our robotics teams, a GPA requirement **may** be implemented to select team members.

STUDENT APPLICATION

T SHIRT SIZE _____

STUDENT NAME _____ GRADE _____ AGE _____ BIRTHDATE _____

PARENT 1 NAME _____ PARENT 2 NAME _____

PARENT 1 EMAIL _____ PARENT 2 EMAIL _____

PARENT 1 PHONE _____ PARENT 2 PHONE _____

GUIDELINES

According to "First Lego League" guidelines, OVCA robotics teams may have up to a maximum of 10 participants each, for a total of 20 participants between the ages of 9 and 15. Therefore, if necessary, combined with the demands of the club, OVCA will select students from interested applicants based on a set of criteria, or "Team Member Qualifications". Upon team member finalization, a team member fee of \$40 will be due to offset team shirts, supplies, and event entry fees (when applicable). Additional costs may apply based on tournament participation and advancement.

PERMISSION

As the parent/guardian of the above named student, I hereby give my permission for him/her to participate in all of the activities associated with Ocean View Christian Academy pertaining to the robotics team and the First Lego League.

This includes meetings, sessions, and events held before or after school hours both on and off campus including weekends. I hereby give my consent for my child to ride on transportation provided by Ocean View Christian Academy, or parents and volunteers of this organization for the purpose of transporting the team to and from meetings, sessions, and events.

I agree not to hold Ocean View Church or Ocean View Christian Academy or anyone affiliated with these organizations responsible for any injuries which may occur during the course of the activities associated with this group unless the church, school, or any of its leaders are found to be negligent in conducting the activity.

In the case of accident or illness, I authorize Ocean View Christian Academy representative/s to approve any necessary medical treatment they deem necessary.

By signing, I acknowledge the above statement and agree to the guidelines of OVCA Robotics.

PARENT PRINTED NAME _____ SIGNATURE _____