

# 2018 Shelton FLL Lego Robotics Info Packet

## *(1) What is FIRST Lego Robotics?*



FIRST® LEGO® League (FLL) is an exciting international robotics program that ignites an enthusiasm for discovery, science, and technology in kids ages 9 to 14. It is the result of a partnership between the LEGO® Group and the FIRST® (For Inspiration and Recognition of Science and Technology) Organization. To learn more about the FIRST organization visit their website: <http://www.usfirst.org>.

Each FLL team works over the course of a few months to build a competitive robot using the MindStorms NXT / EV3 LEGO® Product and program it to complete specified tasks for State and Regional competitions. In addition to the tasks which are directly related to the LEGO® products (i.e. building and programming), the FLL teams are also expected to research a topic to learn something about it and then create some form of informational presentation. This presentation can take the form of anything that the students come up with from a live-action skit, to a PowerPoint presentation, or an informational poster board. The purpose of this task is to get these students thinking about the problem presented and how they can work to solve this problem. This year's challenge has been announced and it is called *Into Orbit*.



More details on the challenge for this and previous year's challenges are available on the FLL website: <http://www.firstlegoleague.org/challenge>



The Shelton FLL teams are mentored by the Shelton High School Robotics Team, the Gaelhawks. They will be working closely with us throughout the work sessions leading to the competitions. Many of these students are previous members of the Lego League and have a great deal of experience to share. To find out more about the SHS Gaelhawks visit their website: <http://www.shsrobotics.org>.

## *(2) What is expected of a team member?*

Like any team sport, participation on this team will require dedication and commitment. Work sessions will take place at Shelton High School **every** Saturday morning from **8:30 AM – 1:00 PM**. There may also be several after-school and/or evening sessions as well. The Shelton Qualifying tournament will take place on a **Saturday in November 2018**. The State Championship will take place on a **Sunday in December 2018**.

Due to the limited amount of work sessions it is imperative that students **attend all work sessions**. If a student misses excessive sessions they may not be able to participate in the competitions.

But, most importantly, the main tenet of the FIRST programs is a notion of “gracious professionalism”. This phrase was coined by one of the founders of FIRST and is intended to convey a spirit of intense competition and paired with personal integrity and respect for your opponents. A willingness to do your best to live up to this expectation is a requirement for anyone on this team. This is a school-related activity and therefore all school behavior policies apply as well.

### *(3) How do I join?*

**The application for this year’s FIRST Lego Robotics Team is attached. There is an ONLINE APPLICATION that can be found here:**



**<https://www.surveymonkey.com/r/J5QR6S9>**

**Just fill out the application carefully and submit it by May 23, 2018 at 7PM**

*(This is a very competitive application process. There are approximately 8-10 open slots each year and usually 40-50 applicants. Do your best to answer questions carefully and completely. Good Luck!)*