

ROBOTICS OPEN HOUSE

WELCOME!



FIRST LEGO League:

- ▶ Open to Ages 9-14, small teams
- ▶ All Skill Levels are Welcomed and Needed
- ▶ Need to work well within a team- Core Values are the most important part of the First Lego League Experience
- ▶ The Competition Challenge is revealed in August, Competition is in November in Shelton, CT (an all day event)

Theme- Into Orbit!

- ▶ Join our mission into the 30th season of *FIRST*[®]! Prepare for blast off, break out of your earthly constraints and go INTO ORBITSM. The 2018/2019 *FIRST*[®] LEGO[®] League season will transport your team into space, where you'll explore, challenge, and innovate in the vast expanse of space.
- ▶ Details issued on August 1st

CORE VALUES-

- ▶ **Discovery:** *We explore new skills and ideas.*
- ▶ **Innovation:** *We use creativity and persistence to solve problems.*
- ▶ **Impact:** *We apply what we learn to improve our world.*
- ▶ **Inclusion:** *We respect each other and embrace our differences.*
- ▶ **Teamwork:** *We are stronger when we work together.*
- ▶ **Fun:** *We enjoy and celebrate what we do with Gracious Professionalism!*

Three Components to a FLL Competition:

- ▶ **Project-** Guided by adult Coaches, *FIRST* LEGO League teams research a real-world problem such as food safety, recycling, energy, etc., and are challenged to develop a solution. Their project is presented to judges in a creative way (a timed skit, parody, song, etc.), with a poster, and they will answer questions as a group about their methods and participation.
- ▶ **Robot Design-** They also must design, build, program a robot using LEGO MINDSTORMS® technology, then compete missions on a table-top playing field.
- ▶ **Core Values-** Teams will be given a short exercise to accomplish as a group, showing how they use Core Values to work together. Every teammate should participate and answer questions, and a poster needs to be completed to show how Core Values were used in the project and robot portions of the competition.

All team members participate in all portions of the competition, and should be able to answer questions about all aspects, however, some kids are natural programmers, engineers, or researchers and it's about everyone taking turns leading in their areas of expertise or interest.

OUR SCHEDULE:

- ▶ Summer activities open to all interested children:
 - ▶ Tuesdays :6:30-7:30pm June 26, July 3, July 17, July 31
 - ▶ Thursday: 6:30-7:30pm August 9
 - ▶ Focus on team-building and problem-solving STEM exercises and getting familiar with the kits
 - ▶ Practice demonstrating Core Values and working together
- ▶ Competition Team only will start meeting Mid-August
 - ▶ Tuesdays 6:30-7:30pm August 14, August 21
 - ▶ Wednesdays 3:30-5pm and Saturdays 9:30-11:30 Starting September 5th
 - ▶ Additional times will have to be scheduled as competition approaches
 - ▶ Competition will either be November 10th (Veteran's Day Weekend) or 17th in Shelton- required to be there the full day

Application

- ▶ Please submit no later than July 17th
- ▶ Team members will be selected by August 1st
- ▶ If a child is interested, but cannot make the time commitment this season, please still submit an application and note their interest and availability
 - ▶ If we don't get enough applicants to make a team this year, but there is interest in building one for next year, we may choose to spend this year working on core values and robotics basics in a more casual way with the goal of competing more seriously as a team the following year