



**FIRST® LEGO® League (FLL), a team engineering and science program for kids 9 – 14 years old.**

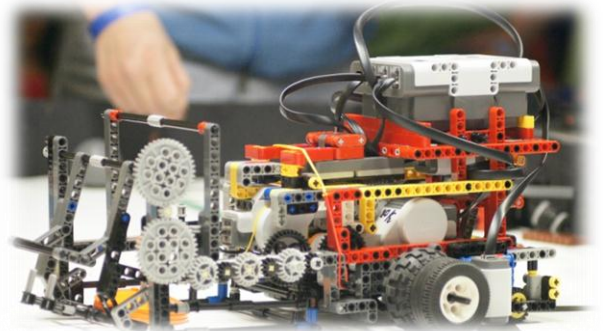
## WHAT DOES A FIRST LEGO League TEAM DO?



Each year FLL releases a new Challenge for our teams. The Challenge is released in late August and focuses on a different scientific topic or question each year. You don't need to wait until September to get started though. Knowing what to expect will help your team hit the ground running. The Challenge has three parts: the **Robot Game**, the **Project**, and the **FLL Core Values**.

### Robot Game

In the Robot Game, the kids build and program an autonomous (no remote control) LEGO MINDSTORMS® robot to score points by performing mission tasks. These missions will be inspired by the Challenge theme. Missions require the robot to navigate, capture, transport, or deliver objects on a printed mat (the Field). The robot has 2 ½ minutes to complete as many missions as possible.



### Project

Through the Project, teams learn more about the science behind the Challenge theme. The kids use their creativity to design a solution (or modify an existing solution) to solve a real-world problem. We even give you a head start – we tell you the theme months ahead of time! Even though you will not know the exact details of the Challenge, you can begin researching the theme with your team as soon as it is announced.



### Core Values

While FLL teams work on the Robot Game and the Project each year, they are guided by the FLL Core Values. The Core Values are part of what makes FLL so special, because kids compete like crazy against the game but still respect their teammates, coaches, and even their “competitors.” Don't forget, our last (and maybe most important) Core Value is “We have FUN!”

### Preparing for a Tournament

Teams meet one to three times a week to work on the Robot Game, Project and Core Values starting in September. In Oregon, all teams are invited to celebrate their accomplishments at an FLL Qualifying Tournament. 24+ tournaments will be held around Oregon & SW Washington during the 1<sup>st</sup> two weekends of December. It is a friendly competition with the emphasis on what a team learned and accomplished. About 25% of the teams are invited to compete at the Intel Oregon FLL Championship in January.



**Who is the coach?** Any adult willing to facilitate the thrills and spills of technology fun with kids. No technical background necessary. Oregon Robotics Tournament and Outreach Program (ORTOP) offers free adult training workshops.