

# Class Creation

<b>Course Title</b>	LEGO Robotics
<b>Grade Level</b>	3-8
<b>Tutor's Name</b>	Laura Calkins
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## Class Description

FIRST Robotics LEGO League introduces STEM topics to children in a fun and playful way. In this class we will be working through a full LEGO Challenge curriculum.

The students will build and program a series of LEGO robots to address a set of challenges from a previous FLL (FIRST LEGO League) competition season. We will be using the LEGO Education Spike Prime kit to program the robots. In this class students will:

- Build a series of LEGO robots to address a unique set of game challenges
- Explore LEGO robotics game design
- Use WordBlocks, a Scratch based programming language to program the robots
- Develop real world problem solving and critical thinking skills
- Develop teamwork and interpersonal skills with opportunities for leadership development
- Have the option to compete with a FIRST LEGO League Challenge team (will meet separately from co-op)

My husband and I mentor a high school level FIRST Robotics Competition (FRC) team based in Bedford, NH. We are starting a new FIRST LEGO League Challenge (FLL) team that will also be based in Bedford. We will be competing in the 2025 season which will begin in August of 2024 and run through the fall semester.

The FLL team will meet separately, but we encourage children enrolled in the class to participate. The game challenges will be different, but we will be using the same programming language. More information about FIRST LEGO League can be found on FIRST's website. Details on the new FLL team to come.

<https://www.firstlegoleague.org/>

<b>Class Fee (and how is it used)</b>	\$30 used toward the purchase of a LEGO Education Spike Prime Kit
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## Prerequisites

No experience necessary.

<b>Class Limit</b>	12
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