



## ALTOONA AREA SCHOOL DISTRICT

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November 10, 2018

### McAuliffe Heights Students are Heading *Into Orbit* with the FIRST® LEGO® Challenge

Members of the McAuliffe Heights Lego League are busy working on the 2018 FIRST LEGO league's Into Orbit Challenge. The core values of the FIRST® program focus on Discovery, Innovation, Impact, Inclusion, Teamwork, and Fun.

This year's theme is Into Orbit. This program provides students with three challenges:

1. Identify a physical or social problem faced during long duration space exploration with our Sun's Solar System and propose a solution. Students research, identify and design a solution to the problem.
2. Robot Game – Using Legos, students collaborate and construct structures. These structures will be used on a Game Board as part of the competition. During the competition, students will use a robot that they design to navigate the game board and Lego structures to accomplish specific missions.
3. Presentation of Project – Students present their project to the judges. Students are required to identify the problem they selected, describe their team's solution, and describe how they shared their findings with others.

The Lego Club meets once a week for 1-1/2 hours after school in preparation for the competition which will be held at the Altoona Area Junior High school in January.

