

Rockford Robotics Inc is now the proud host of a FIRST LEGO League team, where elementary and middle school-aged students research a real-world engineering challenge, develop a solution, and compete with LEGO-based robots of their own design.

The Global Challenge for the 2017-2018 season is HYDRO DYNAMICS - students from 80 countries will spend the season learning all about water – how we find, transport, use, or dispose of it.



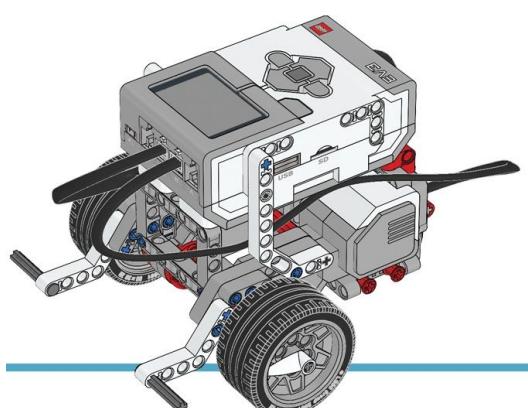
The Rockford Rovers (FLL 32323) are 11 students, fourth through eighth grade, from around the Rockford region.

The team worked hard to brainstorm the various ways humans interact with water to help us complete the Project component of our Challenge - finding a specific problem in the “human water cycle” and developing an innovative solution for that problem.

As part of our Project research, the entire team took a field trip to the Rock River Water Reclamation District to learn about the science and engineering that goes into treating our wastewater. We even learned that RRWRD stores the methane gas produced from the breakdown of solid waste and uses it to generate electricity right at their facility!



The team has also been working hard designing, building, and programming our Robot. The Robot Game part of the Challenge consists of 18 “Missions” that reflect various parts of the human water cycle.



We’re currently developing a specialized mechanism and program for Mission 1 - “Remove the Broken Pipe”.