

## **Westwood Middle School Lego League**

The Lego League is a part of the Minnesota FIRST LEGO League (MN FLL), international program that includes more than 150,000 kids in 56 countries. It is a team-based, hands-on program that provides challenging and exciting learning opportunities for young people. MN FLL spurs innovation, develops teamwork, enhances communication skills, and promotes excitement in science and technology.

### **What a FLL Team is...**

#### **Three to ten kids, ages 9-14.**

Anyone can form a team: schools, charter schools, home schools, neighborhood groups, churches, 4-H, scouts.

#### **What a team does...**

Team members meet once or twice a week to fulfill two project components modeled after actual professions:

#### **The Research Project**

Teams conduct research to solve a real-world problem, develop an innovative solution and present and share their work at the competition and within their communities.

#### **The Robot Game**

Teams design, build and program autonomous LEGO robots to achieve specific missions and compete in three 2.5 minute performance rounds at competitions. The roles they assume grant kids the thrill of discovery as they witness firsthand how abstract concepts become concrete solutions. The robot game uses the Lego Mindstorms kit to make an actual robot with sensors, controls, programs, and motors that really works!

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Link to the official website of the League:

<http://www.hightechkids.org/programs/mn-first-lego-league>