



Class: Lego Robotics Club

Auburn Middle School Enrichment Class Syllabus

Class Description: Lego Robotics Club is an enrichment class where students will work in teams to design, build, and program robots to perform different task. Students will participate in the RCX Robotics Regional Tournament this year on March 2nd, (March 9th snow makeup day) at Auburn.

While there are no fees associated with this class, students may be able to attend the Kentucky STLP Conference in Lexington this spring. If the Robotics club attends or competes in the state conference, each student will need \$40.00 to \$60.00 for the trip, hotel and food.

Goals/Objectives for the Class: Students will learn the steps of the scientific method and how to use it in real-life situations and simulations. They will learn how to collect and display data during timed trials in preparation for competitions. Students will learn about designing and building robots to perform certain tasks in the most efficient manner. In addition, students will learn how to work as a responsible, cooperative member of a team.

Strategies & Activities for the Class:

Review scientific method and complete activities using scientific method.

Design a robot using Lego's

Build a robot to meet specifications

Learn Lego's programming language

How Students Will Be Evaluated: Student work will be evaluated based on quality of work, uniqueness/creativity, authenticity, neatness, and effort. For partner and small group projects, students will also be evaluated based on their efforts to work as a responsible partner/group member.

Other Important Information: *Lego Robotics Club is offered during the spring semester.*