
Advanced Robotics

Overview

Welcome to Advanced Robotics! This may well be the coolest course you take during middle school. It is not open to everyone, you have to talk to the instructor prior to joining. This class is different from most of your classes. It is hands-on project based class with deliverables.. This class is not simply showing up and memorizing stuff. You must BUILD STUFF! Also we will be working closely with the LHS robot team this year. This should help both teams immensely!

Goals

This year we are building a competition FTC robot, which we will use to compete against other Middle and High school teams across Texas The goal of this class is to expose you to what it takes to become an engineer. It takes you into not just following directions but project management. Students in this class will learn to think like an engineer.

Requirements

There are no pre-requisites to this class. You need instructor permission to take this class. You must have good grades in your other classes to continue to take this class. You will need to allocate a few Saturdays for competition once the dates become known.

Communication

This year I will be using Remind to broadcast class reminders. Both parents and students can enroll in remind by texting @hedrobots to 81010. Students under 18 will be asked to enter their parent's email so parents can approve.

Period: 4
Instructor: **Casey McCluskey**
E-Mail: mccluskeyc@lisd.net
Phone: 972-350-8923
Remind: @hedRobots to 81010
WebSite: MrMcCluskey.com
Room: 3100 / Hedrick Middle School
Office Hours: Before School – M,T,Th,F
Textbook: None

Key Things to Do

Tonight

Sign up on Remind (Parents Too!)
Check out MrMcCluskey.com in the advanced robotics tab for links to Last year FTC game description. Come to 3100 in the mornings...
Save the Date - Party September 10th with LHS

Possible Teams / Projects

Mechanical engineer (Robot Base)
Programming
More Programming
Electronics/Electrical Engineer
Systems Engineer
Mechanical Engineers (Arm)
Mechanical Engineers (Sweeper)
Vision System
Navigation System
Documentation Specialist
Project Lead
Drivers / Gunners
Strategists
WebMaster
