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# Makerspace

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## Overview

This course provides a hands-on exposure to all things tech. Students will be BUILDING STUFF in this class. This year we will be building bridges out of spaghetti, launching catapults and water rockets, wiring electronic circuits and lots of computer programming. In addition to the “regular” stuff, every student needs to build something big, awesome and cool of their own selection each semester. All projects need to be approved by the instructor. Small groups of students are allowed if project scope warrants it.

## Goals

The goal of this class is to expose students to the many aspects of engineering. Every lesson represents a real world engineering discipline, Most of the engineering jobs earn high wages and provide a good quality of life. I want my students to understand that these jobs could be theirs.

## Requirements

There are no pre-requisites for this class. However this class involves both individual and group projects. Your grade in the course will consist of both tests over the material AND the completion of projects. Building things is a requirement of this class.

## Communication

This year I will be using Remind to broadcast class reminders. Both parents and students can enroll in remind by texting @hedmaker to 81010.

## Advanced Robotics

For students wishing to go deep into programming and/or robotics, this year we have the Advanced Robotics class which meets 4<sup>th</sup> period. This class of elite students will build a high school level competition robot and go across Texas crushing our competitors in fun and friendly environment. Talk to McCluskey if you think you might want to switch to this class.

Periods 3 and 6

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

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## To Do

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### Tonight

Sign up on Remind (Parents Too!)  
Think about which Clubs are for you.  
Focus on Wrangler ropes

## Student Supplied Materials

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Because the big projects vary widely, students may be expected to provide the materials for the big project, which they would then get to keep the finished product. Regular (small) project materials are generally provided.

Students on a budget can opt to do projects approved and desired by the instructor where the finished product will stay at the school.