

WHY YOU SHOULD TAKE PRINCIPLES OF ENGINEERING

COLLEGE OPPORTUNITIES

Principles of Engineering is a full-year college preparatory class that is UC/CSU A-G approved.

HANDS ON EXPERIENCE

Students will complete in-class activities & projects that will make up the bulk of their coursework. This means that there is less work at home and more fun in the classroom.

EXPLORE ENGINEERING

There are many different fields and industries of engineering. Students will have the opportunity to explore and learn a little bit about each field, which includes having presenters come in from various fields.

PASSION PROJECT

In the spring semester, students will choose an engineering field that they are passionate about. From there, students will research and solve a problem using a variety of engineering components.

CHANGE THE WORLD

As Gandhi says, "be the change you wish to see in the world." Engineers are the inventors and problem solvers of the world - how will you change the world?

YOU WILL HAVE FUN

Students get to build using VEX pieces, learn how to code robotics, and make friends along the way. With any form of engineering, there are a lot of ups and downs through trial and error, but this class promises to be fun.

PRINCIPLES OF ENGINEERING

Principles of Engineering (POE) covers a variety of different types of engineering while also introducing students to the communication and documentation used by engineers on a daily basis. The goal of POE is for students to discover and develop a passion for engineering. Students should ultimately leave POE understanding the scope, rigor, and discipline of engineering and engineering technology prior to entering college.