



9TH GRADE
10TH - 12TH GRADE
12TH GRADE

**Principles of Applied Engineering:**

Provides an overview of the various fields of science, technology, engineering, and mathematics.

**Engineering Design & Presentation**

It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process

**Robotics I**

In a project-based environment through implementation of the design process, students will build prototypes or use simulation software to test their designs.

**Robotics 2**

Students will explore artificial intelligence and programming in the robotic and automation industry

**AUTODESK**  
Certified User

STUDENT ORGANIZATIONS

TEACHER CONTACTS

**Raul Torres Santos:** [rsantos@yisd.net](mailto:rsantos@yisd.net)

Robotics 1

Robotics 2

Engineering Design and Presentation

Computer Science Advanced Placement (Java)

**Elaine Renteria:** [erenteria4@yisd.net](mailto:erenteria4@yisd.net)

Principles of Applied Engineering

Geometry

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