

# Ramona High School

## Course of Study Information Page

<b>Course Title:</b> Introduction to Engineering Design	
<b>Course Number:</b> 2240	
<b>Course Description:</b> This course is designed for the student interested in the broad field of engineering, where creative professionals design, build and test anything from rockets and snowboards to robots and hip replacements. The major focus of this course is to expose students to the design process, research and analysis, teamwork, various communication methods, engineering standards, and technical documentation. Through hands-on projects, students apply engineering standards while documenting their work in design. Students use industry-standard 3D modeling software to help design solutions to proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.	
<b>Length of Course</b>	One year
<b>Grade level</b>	9-12
<b>Number of credits</b>	5 credits/semester
<b>Additional Credit Information:</b> Check all that apply	<input type="checkbox"/> CSU/UC "a-g" requirements <input type="checkbox"/> Weighted grade points <input type="checkbox"/> Dual credit with community college
<b>Prerequisites:</b>	None
<b>Department(s):</b>	Elective