

# York High School

## Common Syllabus for Grades 9-12



<b>Course Name: Principles of Engineering (POE)</b>	
<b>Teacher(s):</b>	<b>Teacher Email(s):</b>
<b>Video Introduction:</b> <a href="https://drive.google.com/file/d/1h-ym2wqvfmhUywaH_nZOZrke0LPOCml9/view?usp=sharing">https://drive.google.com/file/d/1h-ym2wqvfmhUywaH_nZOZrke0LPOCml9/view?usp=sharing</a>	
<b>Where to go for extra help:</b> (Teacher office hours, math lab, study tables, peer tutors, etc.) <a href="https://www.youtube.com/channel/UCeNeler5si0FjIR7C5TkXlw">https://www.youtube.com/channel/UCeNeler5si0FjIR7C5TkXlw</a> <a href="https://sites.google.com/elmhurst205.org/yhsstudentsupports/">https://sites.google.com/elmhurst205.org/yhsstudentsupports/</a>	
<b>Course Description:</b> (Overview, Units of Study) Principles of Engineering (POE) is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.  Students have the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APB) learning. By solving rigorous and relevant design problems using engineering and science concepts within a collaborative learning environment, APB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.	
<b>Required Materials:</b> (From the bookstore or elsewhere, what should be with you in class each day) Chromebook / Notebook	
<b>Timeline for Summative Assessments (subject to change):</b> (How many? Approximate timeline) Each Unit is approximately 8 weeks long.	
<b>Summative Retake Procedure:</b> Nearly all of the summatives completed in this course are done so as part of a process in which there are levels of work/expected completion in order to facilitate feedback and to adjust instruction as needed. Since such a strong emphasis is placed on revisions, feedback and improvement, summatives will be at their best when students engage in the process as whole. Feedback and revision opportunities are regularly built into this course as we work through projects/activities/labs. On projects/activities/labs in which opportunities existed for multiple deadlines, checkpoints, feedback, etc., in accordance with York's Re-Learning Policy, LATE WORK WILL NOT BE ACCEPTED beyond the final draft due date. Any revisions completed after the summative grade has been issued will be offered at the teacher's discretion.	
<b>End of Semester/Year Summative:</b> Portfolio	
<b>Anticipated Learning Responsibilities Outside of Class</b> ( <i>Practice, assignments, projects, etc.</i> ): <i>HW Guidelines (the following minutes are intended to be the total for all courses together)</i> Grade 9: no more than 90 minutes per day Grade 10: no more than 100 minutes per day Grade 11: no more than 110 minutes per day Grade 12: no more than 120 minutes per day	
<b>Grading Categories</b> (10% Formative Max, can be subdivided tests, quizzes, labs, etc At least one Summative Assessment needs to be something other than a test.): <b>100% Projects</b>	

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Grade	Percentage		Course Specific Information:
A	100%-90%		<b>Academic Integrity/Dishonesty Policy:</b>  Engaging in academic dishonesty including cheating, intentionally plagiarizing, wrongfully giving or receiving help during an academic examination, wrongfully obtaining test scores, and submitting work that is not one's own is strictly prohibited. Any violations of the York HS Academic Code of Conduct will be referred to the appropriate dean and administrative personnel.  <b>Accessibility Statement:</b>  Any student that requires an accommodation for a documented disability will receive such accommodations.
B	89%-80%		
C	79%-70%		
D	69%-60%		
F	59%-50%		
<i>*Grades will be calculated to the nearest whole percent. *Missing Assignments will earn a score of 0% *Students who have made a good faith effort on an assignment, but have earned less than 50% will be marked "NE (No Evidence)" and will earn a 50%.</i>			