

Grade 9-12

Distance Learning Module 1: Week of: 3/30/2020 - 4/3/2020

Foundations of Engineering - Modified from [Unit 1 - Engineering Design Process](#)

Targeted Goals from Stage 1: Desired Results

- Communicate effectively based on purpose, task, and audience using appropriate vocabulary.
- Students will develop an understanding of the relationships among technologies and the connections between technology and other fields of study.

Content Knowledge: The content in this module will help students become familiar with the nomenclature needed in the upcoming units.

Vocabulary:

Skills:

Expectation: Students will learn about several different careers within the field of Engineering through developing a presentation and by reflecting upon them using the class developed career bank.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Begin the Engineering Careers presentation assignment. Review the How to make a good presentation with 8 pro tips resource and presentation rubric	Engineering Careers presentation Engineering Careers presentation rubric How to make a good presentation with 8 pro tips	Share your presentation progress daily for feedback against the criteria - whole class meeting day- recorded for students who cannot attend
Tuesday: Work on Engineering Careers presentation assignment.		Small group meetings conducted with targeted areas for mini lessons - example Content regarding the 6 questions not seen in presentation.
Wednesday: Complete the Engineering Careers presentation assignment.	Engineering Careers presentation rubric	Final check for completion and feedback against criteria. Office Hours with reteaching tools referenced.
Thursday: Fill out the Career Bank using the information in the presentation you created.	Career Bank	Participation in Career Bank Whole class session held and recorded, for review of criteria and progress.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Friday: Complete Career Bank and Engineering Careers reflection exit slip		1. Submit Engineering Careers reflection exit slip with evidence of use of feedback to meet criteria for success this week 2. Career Bank

Week criteria for success (attach student checklists or rubrics):

Engineering Careers presentation

Engineering Careers presentation rubric

Career Bank

Engineering Careers reflection exit slip

Supportive resources and tutorials for the week (plans for re-teaching):

-Occupational Outlook Handbook

-Pointers on making an effective presentation