

## Grade 7

Distance Learning Module 6: Week of: 5/11/2020-5/15/2020

### Grade 7 Robotics Engineering – Modified from [Introduction to Robotics Engineering](#)

#### Targeted Goals from Stage 1: Desired Results

An engineering notebook is a book in which an engineer will formally document, in chronological order, all of his or her work that is associated with a specific design project.

#### Content Knowledge:

An Engineering Notebook is used to document the process in solving a problem. The following questions are used to reflect and guide future work:

- What did I do?
- How did I do it?
- What were the problems I encountered?
- What are some solutions to this problem?
- What are my next steps?

**Vocabulary:** Engineering Notebook, reflection, perseverance, and troubleshooting

**Skills:** Demonstrate troubleshooting in achieving a specific result by utilizing an engineering notebook. (Iterative Process)

**Expectation:** Students will experience the purpose of an Engineering Notebook.

Description of Task (s):	Resources and Materials:	Daily Checks
Monday: <ul style="list-style-type: none"><li>• Students will watch a brief video about the basics of an Engineering Notebook.</li></ul>	<ul style="list-style-type: none"><li>• Overview of a Robotics Engineering Notebook</li></ul>	<ul style="list-style-type: none"><li>• At the end of the week, students will be asked to take a Google Form (survey) asking about their level of interest in the various engineering-related courses at DHHS.</li></ul>
Tuesday: <ul style="list-style-type: none"><li>• Students will spend some time reviewing Engineering program offerings at DHHS</li></ul>	<ul style="list-style-type: none"><li>• DHHS Program of Studies</li><li>• Computer-Integrated Manufacturing</li></ul>	
Wednesday: <ul style="list-style-type: none"><li>• Students will continue to look at offerings at DHHS</li></ul>	<ul style="list-style-type: none"><li>• Robotics @ DHHS</li></ul>	

Description of Task (s):	Resources and Materials:	Daily Checks
Thursday: <ul style="list-style-type: none"> <li>Students will review some Engineering programs at local colleges.</li> </ul>	<ul style="list-style-type: none"> <li>UConn School of Engineering</li> <li>Yale School of Engineering and Applied Science</li> <li>CCSU Engineering Department</li> </ul>	
Friday: <ul style="list-style-type: none"> <li>Please take the Google Form/Survey regarding the Engineering offerings at DHHS.</li> </ul>	<ul style="list-style-type: none"> <li>Google Form</li> </ul>	

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

**Supportive resources and tutorials for the week** (plans for re-teaching): VEX IQ Curriculum