

Engineering

Engineering for Everyone

Lesson Plan 4/15/20

Teacher/Subject: McCoy/Engineering	Date: Wednesday, April 15
Standard:	<p>MS-ENGR-TS-2: Demonstrate proper safety techniques and tool usage in the Engineering and Technology Laboratory.</p> <p>2.1 Accurately interpret and adhere to safety signs, symbols, and labels. 2.2 Demonstrate and incorporate safe laboratory procedures in lab, shop, and field environments. 2.3 Identify, select, and use appropriate Personal Protective Equipment, follow work area organization procedures and follow Standard Operating Procedures when performing work.</p> <p>MS-ENGR-TS-3: Examine the variety of components that make up several examples of a system model.</p> <p>3.3 Understand and identify the resources of technology. 3.5 Understand different types of subsystems and how they interact with each other.</p> <p>MS-ENGR-TS-5: Develop an understanding of how humans interact with systems.</p> <p>5.1 Operate systems. 5.2 Maintain technological systems. 5.3 Troubleshoot technological systems.</p> <p>MS-ENGR-TS-1: Demonstrate employability skills required by business and industry.</p> <p>1.1 Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities. 1.2 Demonstrate creativity by asking challenging questions and applying innovative procedures and methods.</p>
Objective:	<p>1. Gain an understanding of the wide scope of engineering fields and a foundation for future exploration. 2. Solve a problem.</p>
Student Activity:	<p>Activity 1: Watch Bob the Builder ☆ Clocktower Bob which is linked on the website. Activity 2: Engineers solve problems. Discuss with your parents and friends some of the problems Bob and his team had while completing their jobs.</p> <p>Do you see any problems around your house that need a solution? Choose one of the problems you have seen. What could you do to help solve the problem? Should you tell someone? Does solving a problem or helping scare you sometimes? Should that stop you from helping? How can you stay safe while the problem is being fixed? How can you keep others safe while the problem is being fixed?</p> <p>These are just some of the questions you can discuss. Do you have any of your own?</p>
Resources	Class website with all resource links nwengineering2019.weebly.com . On the left under <i>Engineering for Everyone</i> .
Help Session Hours	Help session hours between 10:00 - 12:00, Wednesday. Answers to requests will be immediate. Requests at other times answered as soon as possible.