

MVMS STEM 6-8

Lesson 5.3 - Applied Physics Students will develop an understanding of the characteristics and scope of technology.				
	6-8 F. New products and systems can be developed to solve problems or to help do things that could not be done without the help of technology. 6-8 M. Technologies systems include input, processes, output, and at times, feedback. 6-8 D. Technological systems often interact with one another. 6-8 E. Design is a creative planning process that leads to useful products and systems. 6-8 F. Design involves a set of steps, which can be performed in different sequences and repeated as needed. on, and experimentation in problem solving. 6-8 G. Troubleshooting is a problem-solving method used to identify the cause of a malfunction in a technological system. 6-8 H. Apply a design process to solve problems in and beyond the laboratory-classroom. 6-8 J. Make two-dimensional and three-dimensional representations of the designed solution. 6-8 K. Test and evaluate the design in relation to pre-established requirements, such as criteria and constraints, and refine as needed. 6-8 E. Energy is the capacity to do work. 6-8 K. The use of symbols, measurements, and drawings promotes a clear communication by			

	providing a common language to express ideas. 6-8 F. Manufacturing systems use mechanical processes that change the form of materials through the processes of separating, forming, combining, and conditioning them.			
--	---	--	--	--