

Middle School Engineering Design 2016

Standards & Units	Sept.	Nov.	Jan.	March	May
NJ Core Curriculum Content Standards > Science Arranged by Topic > Middle School Engineering Design(2014)					
{SCI.MS} Engineering Design					
{SCI.MS-ETS1-4} Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.					
Grade 8, Science, Unit 5, Human Impact & Capstone Engineering Design Challenge					
{SCI.MS-ETS1-3} Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.					
Grade 8, Science, Unit 5, Human Impact & Capstone Engineering Design Challenge					
{SCI.MS-ETS1-1} Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.					
Grade 8, Science, Unit 5, Human Impact & Capstone Engineering Design Challenge					
{SCI.MS-ETS1-2} Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.					
Grade 8, Science, Unit 5, Human Impact & Capstone Engineering Design Challenge					