# #1 Nature of Science / Engineering Design

Content Area: Science
Course(s): Science 5
Time Period: Undefined
Length: Undefined
Status: Published

### **Unit Overview**

Essential Questions	
Chapter 1:	
What is science?	
What do scientists do?	
How do scientists investigate?	
How do scientists collect and interpret data?	
How do scientists support their conclusions?	
Chapter 2:	
What is technology?	
How does technology mimic living things?	
What is the design process?	

#### **Content**

Chapter 1:

Scientists use inquiry to learn about the world around them.

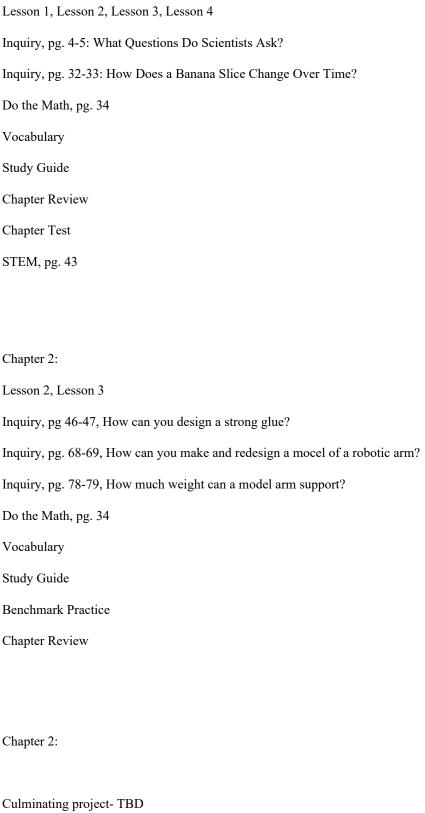
Scientists investigate problems using experiments that follow accepted procedures.

Scientists collect and interpret data using many different tools in a safe way.

Scientists support their conclusions with evidence.

Chapter 2:

# Lessons/Learning Scenarios Chapter 1: Lesson 1, Lesson 2, Lesson 3, Lesson 4



# **Standards**

SCI.3-5.3-5-ETS1-1	Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.
SCI.3-5.3-5-ETS1-3	Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.
SCI.3-5.3-5-ETS1-2	Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.

## Resources