unit 4

Seeing, Hearing, Smelling and Touching Like a Scientist
Unit 4 | Seeing, Hearing, Smelling and Touching like a Scientist

DESIGN CHALLENGE:
How can we design an experiment about sinking or floating rocks?

Visit the Unit 4 Curriculum Page for more resources: http://schoolpartnership.wustl.edu/instructional-materials/mysci-unit-4/.
Click the lesson numbers below to navigate through the curriculum.

section 1  How am I like a scientist?
Total Time: 5 days

LESSON 1
What is a scientist?

LESSON 2
What makes Spenser a scientist?

section 2  What do scientists use to learn things?
Total Time: 6-8 days

LESSON 3
What senses do we have?

LESSON 4
What tools do scientists use to help their senses?

section 3  What are scientific practices?
Total Time: 9 days

LESSON 5
What do scientists learn by sorting?

LESSON 6
How can people use sorting to positively impact the environment?

LESSON 7
How do you do an experiment like a scientist?

STORYLINE
This unit introduces the concept that students can use scientific tools and processes to learn about things just like a scientist! Students engage in the Science and Engineering Practices in order to find out more information about the natural and designed world.

Throughout the unit, students use rocks as the objects of study. They collect observations about them using hand lenses. Students use the scientific process to measure, weigh, sort and compare their rocks. They learn how to record the data they collect on the rocks and communicate this information with their peers.

Finally, students apply sorting to a real life experience with a study on recycling. They design an investigation using the science practices to determine if their rock will sink or float.