

The Scientific Method

Use the following Link to find the Myth Busters Star Wars Episode you'll need for this activity:

<https://www.youtube.com/watch?v=Ni3WtNcuZ4Q&list=PLiCk2I6PXI5qJIsRkPUM1UYurSYFUkcXX&index=1>

Watch the episode listed above and complete the following questions. After doing so, design and complete your own experiment at home. Explain each part of the scientific method as you use it in your experiment. This should be a real experiment that generates some form of data that you can use to evaluate your hypothesis.

Date: _____

MYTHBUSTERS

The Scientific Method in Action

THE SCIENTIFIC METHOD:

Question --> Hypothesis --> Experiment --> Observe/Collect Data --> Conclude --> Communicate

1. What is the **QUESTION** in the episode? _____

2. What was Jamie's hypothesis? _____

3. What is **YOUR** hypothesis? _____

3. How did they conduct their experiment? _____

4. How did they collect their data? (Or how could they have?) _____

5. What did they conclude? _____

6. Was your hypothesis correct? _____

Remember that it's OKAY for your hypothesis to be incorrect! It's all part of the learning process. Without a hypothesis, you will never be able to be 100% involved in your experiments and you have nothing to prove or disprove.