

Science, Grade: 8
Benchmark #: 1.1.4

Mastery Check _____

State Language:

The student actively engages in conducting an inquiry, formulating and revising his/her scientific explanations and models using logic and evidence, and recognizing that potential alternative explanations and models should be considered.

Student Friendly Language:

I will conduct a scientific investigation, create and revise my explanations and models using logic and evidence and recognize possible alternative explanations and models that should be considered.

Concept (Students will know):

How to evaluate data to use in a logical conclusion.

Skills (Students will do):

Conduct
Formulate
Revise
Recognize

DOK Level:

4

Big Ideas:

Scientific investigations use logic and evidence for conclusions.

Essential Questions:

What should be included in your conclusion for your scientific investigation?

When evaluating other scientists' work, what biases might have affected his/her conclusions?

Core Materials

Supplemental Materials: