

Myth Buster Activity

This activity is associated with McComas' article Ten Myths of Science.

Each student has been assigned one of McComas' myths of science. Students will be allotted time for a 1-minute presentation busting each myth. Presentation should state the myth, characterize it with an example, and explain why the myth is a false belief.

Myth buster presentations will be followed by an indeterminate period of question and answer.

Assignments are as follows:

Alex	Myth 1: Hypotheses Become Theories Which Become Laws
Jimmy	Myth 2: A Hypothesis is an Educated Guess
Gee	Myth 3: A General and Universal Scientific Method Exists
Colin	Myth 4: Evidence Accumulated Carefully Will Result in Sure Knowledge
Grant	Myth 5: Science and its Methods Provide Absolute Proof
Donna	Myth 6: Science Is Procedural More Than Creative
Jared	Myth 7: Science and its Methods Can Answer All Questions
Andrew	Myth 8: Scientists are Particularly Objective
Jeffrey	Myth 9: Experiments are the Principal Route to Scientific Knowledge
Carl	Myth 10: All Work in Science is Reviewed to Keep the Process Honest