

GRADE 6
7a

Investigation and Experimentation

Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept, and to address the content the other three strands, students should develop their own questions and perform investigations.

Students will develop a hypothesis.

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Investigation and Experimentation

Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept, and to address the content the other three strands, students should develop their own questions and perform investigations.

Students will select and use appropriate tools and technology (including calculators, computers, balances, spring scales, microscopes, and binoculars) to perform tests, collect data, and display data.



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Students will construct appropriate graphs from data and develop qualitative statements about the relationships between variables.

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Investigation and Experimentation

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Students will communicate the steps and results from an investigation in written reports and verbal presentations.

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Investigation and Experimentation

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Students will recognize whether evidence is consistent with a proposed explanation.

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Investigation and Experimentation

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Students will read a topographic map and a geologic map for evidence provided on the maps, and construct and interpret a simple scale map.

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Investigation and Experimentation

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Students will interpret events by sequence and time from natural phenomena (e.g., relative ages of rocks and intrusions).



Investigation and Experimentation

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Students will identify changes in natural phenomena over time without manipulating the phenomena (e.g., a tree limb, a grove of trees, a stream, a hillslope).