



National Standards addressed by the Caves and Karst Lesson Plans:

Science

Technology

Language Arts

Math

National Education Standards Science

Cave & Karst Lessons and Activities

Interactive Reading Guide #1	Interactive Reading Guide #2	How Caves Form: A Webquest	The Rock Cycle Review	Making a Cave	Growing Speleothems	Speleothems: A Webquest	Sediments and Solution Caves: Part 1	Caves and Fossils	Sediments and Solution Caves: Part 2	Hidden Treasures	Porosity Mini-Lab	Porosity of Sediments	Cave Life: A Jigsaw Activity	Present a Cave	Cave Quiz Game
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Science (Grades 5-8)

NS. 5-8. 1 Science As Inquiry

- Abilities necessary to do scientific inquiry.

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NS. 5-8. 2 Physical Science

- Properties, and changes of properties, in matter.

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NS. 5-8. 3 Life Science

- Structure and function in living systems.
- Populations and ecosystems.
- Diversity and adaptations of organisms.

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NS. 5-8. 4 Earth & Space Science

- Structure of the earth system.

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NS. 5-8. 6 Personal & Social Perspectives

- Populations, resources, and environments.
- Science and technology in society.

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NS. 5-8. 7 History & Nature of Science

- Science as a human endeavor.
- Nature of science.
- History of science.

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National Education Standards Science

Cave & Karst Lessons and Activities

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Science (Grades 9-12)

NS. 9-12.1 Science As Inquiry

• Abilities necessary to do scientific inquiry.					•	•		•		•		•	•		•	
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NS. 9-12.2 Physical Science

• Properties, and changes of properties, in matter.	•	•	•	•	•	•	•			•		•	•	•		•
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NS. 9-12.3 Life Science

• Structure and function in living systems.	•	•	•		•	•	•			•	•	•	•	•	•	•
• Populations and ecosystems.	•	•												•	•	•
• Diversity and adaptations of organisms.														•		•

NS. 9-12.4 Earth & Space Science

• Structure of the earth system.	•	•	•	•	•	•	•			•	•	•	•		•	•
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NS. 9-12.6 Personal & Social Perspectives

• Populations, resources, and environments.	•	•	•	•	•	•			•	•		•	•		•	•
• Science and technology in society.	•	•														

NS. 9-12.7 History & Nature of Science

• Science as a human endeavor.	•	•								•	•		•		•	
• Nature of science.	•	•	•	•	•				•			•	•		•	
• History of science.	•	•		•						•					•	

National Education Standards

Math

Cave & Karst Lessons and Activities

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Math (Grades 5-8)

NM-ALG.6-8.2 Represent and analyze mathematical situations and structures using algebraic symbols.

- Explore relationships between symbolic expression and graph of lines, paying particular attention to the meaning of intercept and slope.

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NM-ALG.6-8.3 Use mathematical models to represent and understand quantitative relationships.

- Model and solve contextualized problems using various representations, such as graphs, tables, and equations.

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NM-ALG.6-8.4 Analyze change in various contexts.

- Use graphs to analyze the nature of changes in quantities in linear relationships.

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Math (Grades 5-8)

NM-ALG.9-12.4 Analyze change in various contexts.

- Approximate and interpret rates of change from graphical and numerical data.

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