



National Standards
applicable to this
curriculum guide:

Science

Technology

Language Arts

Math

National Education Standards Science

Cave & Karst 2 Week Curriculum Guide Activities

Interactive Reading Guide

Making a Cave

Growing Speleothems

Speleothems: A Webquest

Cave Life: A Jigsaw Activity

Present a Cave

Cave Quiz Game

Science (Grades 5-8)

NS. 5-8. 1 Science As Inquiry

- Abilities necessary to do scientific inquiry.



NS. 5-8. 2 Physical Science

- Properties, and changes of properties, in matter.



NS. 5-8. 3 Life Science

- Structure and function in living systems.



- Populations and ecosystems.



- Diversity and adaptations of organisms.



NS. 5-8. 4 Earth & Space Science

- Structure of the earth system.



NS. 5-8. 6 Personal & Social Perspectives

- Populations, resources, and environments.



- Science and technology in society.



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

- Science as a human endeavor.



- Nature of science.



- History of science.



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Science (Grades 9-12)

NS. 5-8. 1 Science As Inquiry

- Abilities necessary to do scientific inquiry.



NS. 5-8. 2 Physical Science

- Properties, and changes of properties, in matter.



NS. 5-8. 3 Life Science

- Structure and function in living systems.



- Populations and ecosystems.



- Diversity and adaptations of organisms.



NS. 5-8. 4 Earth & Space Science

- Structure of the earth system.



NS. 5-8. 6 Personal & Social Perspectives

- Populations, resources, and environments.



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Technology and Language Arts

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Technology (Grades K-12)

NT.K-12. 1 Basic Operations & Concepts

- Students are proficient in the use of technology.



NT.K-12. 2 Social, Ethical, & Human Issues

- Students practice responsible use of technology systems, information, and software.



NT.K-12. 3 Technology Productivity Tools

- Students use technology tools to enhance learning, increase productivity, and promote creativity.



NT.K-12. 5 Technology Research Tools

- Students use technology to locate, evaluate, and collect information from a variety of sources.



Language Arts (Grades K-12)

NL-ENG.K-12. 1 Reading for Perspective

- Students read a wide range of print and nonprint texts...to acquire new information.



NL-ENG.K-12. 7 Evaluating Data

- Students...gather, evaluate, and synthesize data from a variety of sources to communicate their discoveries in ways that suit their purpose and audience.



NL-ENG.K-12. 8 Developing Research Skills

- Students use a variety of technological and information resources to gather and synthesize information and to create and communicate knowledge.



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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.



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.



NM-ALG. 6-8. 4 Analyze change in various contexts.

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



Math (Grades 9-12)

NM-ALG. 9-12. 4 Analyze change in various contexts.

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

