

Earth Sciences/Speleology

**GRADE LEVEL:**  
Jr. High and High School

# Scope and Sequence

## COURSE OVERVIEW:

Explore deep into the hidden wonders beneath the surface as cave expert Dr. Emil Silvestru takes you on an illuminating and educational journey through the mysterious world of caves. *The Cave Book* will teach you about a creationary model of how caves form, a history of how caves have been used by humans for shelter and worship, how old caves really are, how to make a stone axe and about early tools, just how long it really takes for cave formations to form, unusual animals that make caves their home, the climate and geologic processes and features of caves and karst rocks, exploration, hazards, and record-setting caves, how caves form, and features about and below the surface, and more. Discover the beautiful formations, thriving ecology, unique animals, and fragile balance of this little-seen ecosystem in caves from around the globe.

## FEATURES:

This title is an integral part of the best-selling Wonders of Creation Series. Each book includes over 200 beautiful full-color photos and illustrations, charts, graphs, glossary and index. The correlating study guides make them the perfect subject-intensive product. All seven titles are available in a discounted package, and include the books and study guides. Subjects covered in this series include archaeology, caves, oceans, geology, weather, astronomy, and fossils.

## CONTENT FOCUS:

### Chapter 1: Humans and caves

*Concepts for discussion:*

- History of humans and caves
- Cave art and the age of speleothems
- Religious sanctuaries or the first art galleries?

### Chapter 2: Caves and mythology

*Concepts for discussion:*

- How does echolocation work?
- Life in caves today
- Cave climates and health benefits

### Chapter 3: Caves and karst

*Concepts for discussion:*

- Karstic rocks and rock salt
- Caves in igneous and sedimentary rocks

### Chapter 4: Classifying caves

*Concepts for discussion:*

- The features of caves
- Non-calcite speleothems and the dating of speleothems

### Chapter 5: Exploring caves

*Concepts for discussion:*

- Cave diving, cave records and cave photography

### Chapter 6: Studying caves

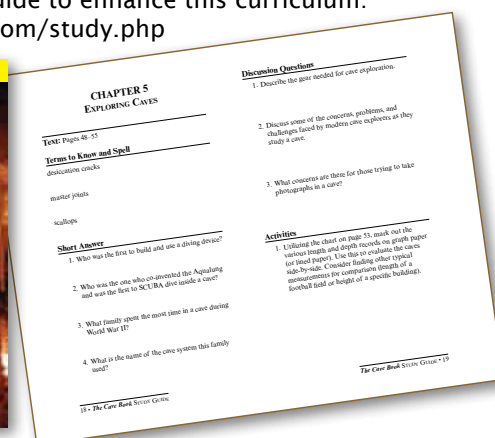
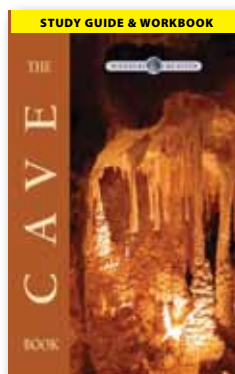
*Concepts for discussion:*

- Studying the surface and the system
- The creationary model for cave formation

## STUDY GUIDE:

Utilize the free downloadable study guide to enhance this curriculum:

<http://www.newleafpublishinggroup.com/study.php>



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