



Earth Science/Meteorology

GRADE LEVEL:

Jr. High and High School

Scope and Sequence

COURSE OVERVIEW:

The earth was created to be the dwelling place of man. It is a complex world and its weather patterns affect our lives every day. Whether you live near the equator, a polar region, or somewhere in between, knowledge of the weather is important. *The Weather Book* will teach you why our exact distance from the sun allows life on earth, how the weather on the other side of the earth affects you, how clouds form and how to identify the different types, how to build your own weather station, how to survive in dangerous weather, what the greenhouse effect and the ozone hole are, what Noah's flood and the Ice Age have in common, how weatherpersons forecast hurricanes and tornadoes, how to read a weather map, what our responsibility is to the environment, and more. Learning about the weather is fun! It will change the way you look at the clouds in the sky. Now you'll have more of an understanding about what is going on miles above your head. And when you hear a weather report on television, you'll understand so much more about the world around you!

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: God created

Concepts for discussion:

- God's unique creation of Earth to sustain life

Chapter 2: What causes weather

Concepts for discussion:

- Climate zones, winds, the jet stream, powerful influences

Chapter 3: Water in the atmosphere

Concepts for discussion:

- 3 basic types of clouds, cloud elevations, warm and cold fronts

Chapter 4: Thunderstorms

Concepts for discussion:

- Safety tips, lighting, and the force of wind

Chapter 5: Dangerous thunderstorms

Concepts for discussion:

- Hail and wind damage, tornadoes, and tornado classifications,

Chapter 6: Hurricanes

Concepts for discussion:

- Anatomy of hurricanes and storm surges

Chapter 7: Winter storms

Concepts for discussion:

- Temperature and precipitation, snow and ice storms

Chapter 8: Wild weather

Concepts for discussion:

- Foehn winds, Great Lakes weather, and ball lightning

Chapter 9: Climate in the past

Concepts for discussion:

- Noah's Flood, key to the past, and the Ice Age

Chapter 10: Future climate

Concepts for discussion:

- Greenhouse warming, ozone layer and the origin of life

Chapter 11: Observing the weather

Concepts for discussion:

- Weather vanes, thermometers, barometers, and rain gauges

Chapter 12: God, creation, and you

Concepts for discussion:

- Our vital role



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