

SCIENCE

THIRD EDITION

Scope and Sequence

Foundations Unit	THIRD EDITION Grades		
	1	2	3
Science Investigations	✓	✓	✓
Scientific Method	✓	✓	✓
Engineering Design Process	✓	✓	✓
Science Tools	✓	✓	✓
Recording and Analyzing Data	✓	✓	✓

Life Science Unit	Grades		
	1	2	3
Animals	✓	✓	✓
Structure and Function	✓	✓	✓
Animal Varieties	✓	✓	✓
Vertebrates	✓	✓	✓
Amphibians		✓	
Birds	✓	✓	✓
Fish	✓	✓	✓
Mammals	✓	✓	✓
Reptiles		✓	
Invertebrates	✓	✓	✓
Insects	✓	✓	✓
Mollusks		✓	
Spiders	✓	✓	
Traits	✓	✓	✓
Plants	✓	✓	✓
Plant Variety	✓	✓	✓
Life of Plants	✓	✓	✓
Uses of Plants	✓	✓	✓
Processes	✓	✓	✓
Parts of Plants	✓	✓	✓
Reproductions	✓	✓	✓
Traits	✓	✓	✓
Ecosystems and Habitats	✓	✓	✓
Life Cycles	✓	✓	✓
Food Chains and Webs	✓	✓	✓
Environments	✓	✓	✓
Conservation		✓	
Succession			✓
Biomes		✓	✓
Fossils			✓
Classification	✓	✓	✓
Characteristics	✓		✓
Systems	✓	✓	✓
Criteria	✓	✓	✓

Physical Science Unit	Grades		
	1	2	3
Energy	✓	✓	✓
Kinetic			✓
Heat	✓	✓	✓
Light	✓	✓	✓
Sound	✓	✓	✓
Work			✓
Motion	✓		✓
Types of	✓		✓
Newton's Laws			✓
Matter	✓	✓	✓
States of Matter		✓	✓
Atoms		✓	✓
Measurement of Matter	✓	✓	✓
Changes in Matter		✓	✓
Technology	✓	✓	✓
Force	✓	✓	✓
Electric			✓
Magnetic			✓
Machines			✓
Simple			✓
Compound			✓

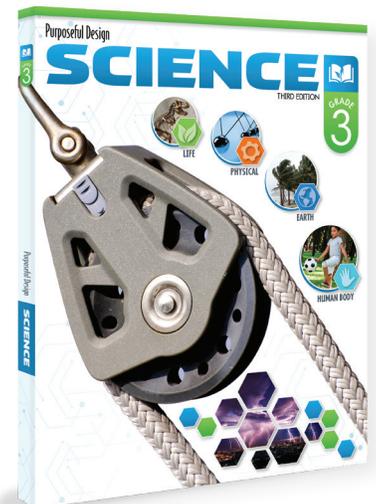
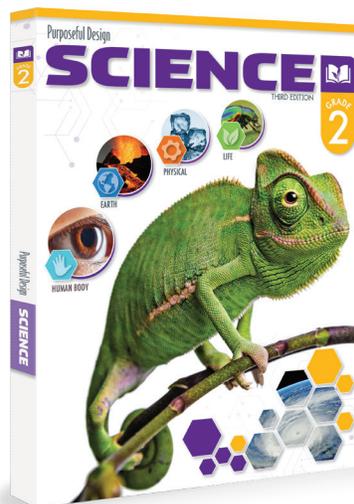
Earth Science Unit	Grades		
	1	2	3
The Lithosphere	✓	✓	✓
Processes		✓	
Plate Tectonics		✓	
Rocks and Minerals		✓	✓
Technology	✓	✓	✓
Conservation	✓	✓	✓
The Hydrosphere			✓
Processes	✓	✓	✓
Properties and States of Water	✓	✓	✓
Fresh Water		✓	
Salt Water		✓	
Habitats or Zones	✓	✓	✓
Technology	✓	✓	✓
Conservation	✓	✓	✓
The Atmosphere	✓	✓	✓
Processes	✓	✓	✓
Weather and Climate	✓	✓	✓
Technology	✓	✓	✓

Earth Science Unit (continued)	Grades		
	1	2	3
Astronomy	✓		✓
Solar System	✓		✓
Moon Phases	✓		✓
Seasons	✓		✓
Stars	✓		✓
Galaxies			✓
Gravity			✓
Space Exploration	✓		✓
Technology	✓		✓

Crosscutting Concepts	Grades		
	1	2	3
Patterns	✓	✓	✓
Cause and Effect	✓	✓	✓
Scale, Proportion, and Quantity	✓	✓	✓
Systems and System Models	✓	✓	✓
Energy and Matter: Flows, Cycles, and Conservation	✓	✓	✓
Structure and Function	✓	✓	✓
Stability and Change	✓	✓	✓

Human Body Unit	Grades		
	1	2	3
Senses	✓	✓	✓
Musculoskeletal System	✓		✓
Nervous System		✓	✓
Cardiovascular System	✓		✓
Digestive System	✓	✓	✓
Immune System	✓	✓	✓
Respiratory System	✓	✓	
Skin	✓	✓	✓
Health	✓	✓	✓
Use of Technology	✓	✓	✓

Science and Engineering Practices	Grades		
	1	2	3
Asking Questions and Defining Problems	✓	✓	✓
Developing and Using Models	✓	✓	✓
Planning and Carrying Out Investigations	✓	✓	✓
Analyzing and Interpreting Data	✓	✓	✓
Using Mathematics and Computational Thinking	✓	✓	✓
Constructing Explanations and Designing Solutions	✓	✓	✓
Engaging in Argument from Evidence	✓	✓	✓
Obtaining, Evaluating, and Communicating Information	✓	✓	✓



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