

Earth and Space Science

Week	Understanding Earth		Interactives, Earth Revealed, and Planet Earth		World and I	
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*Textbook Recommended
(See Below) Links for field
trips, review questions, and
articles. etc. Registration
Free for limited access.*

*Interactives and Online Videos -
Below: Topics for Renzulli Search*

*Teacher Guides and
Articles Available -
You can do these in
any order.*

1	CHAPTER 1 The Earth System 1		Dynamic Earth Interactive	-	1. The Thirsty Caribbean	-
2	CHAPTER 2 Plate Tectonics: The Unifying Theory 18		Rock Cycle Interactive	-	2. Hubble Finds Most Distant Primeval Galaxies	
3	CHAPTER 3 Earth Materials: Minerals and Rocks 44		Volcanoes Interactive	-	3. Simpler Ideas About Mars	
4	CHAPTER 4 Igneous Rocks: Solids from Melts 76		1. Down to Earth	-	4. Early Warning Could Revolutionize Disaster Management	
5	CHAPTER 5 Sedimentation: Rocks Formed by Surface Processes 100		2. The Restless Planet	-	5. Dazzled by Stars, Dreams and Doubts	

6	CHAPTER 6 Metamorphism: Modification of Rocks by Temperature and Pressure 130		3. Earth's Interior	-	6. Global Warming Is a Major Threat to National and Global Prosperity: No! Yes!	
7	CHAPTER 7 Deformation: Modification of Rocks by Folding and Fracturing 150		4. The Sea Floor	-	7. New Evidence Points to Oceans on Mars	
8	CHAPTER 8 Clocks in Rocks: Timing the Geologic Record 168		5. The Birth of a Theory	-	8. Locating the Center of the Earth	
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10	CHAPTER 10 Evolution of the Continents 214		7. Mountain Building	-	10. Confusion in the Evolution vs. Intelligent Design Controversy	
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12	CHAPTER 12 Volcanoes 270		9. Earthquakes	-	12. Water Ills: Quenching the World's Thirst	
13	CHAPTER 13 Earthquakes 296		10. Geologic Time	-	13. Our Thirst for Water	

14	CHAPTER 14 Exploring Earth's Interior 324		11. Evolution Through Time	-	14. Water's Roving Ways	
15	CHAPTER 15 The Climate System - 346		12. Minerals: The Materials of Earth	-	15. The Making of a Water Wonderland	
16	CHAPTER 16 Weathering, Erosion, and Mass Wasting:		13. Volcanism	-	16. Lynn Margulis: Mapping the Geography of Symbiosis	
17	CHAPTER 17 The Hydrologic Cycle and Groundwater 400		14. Intrusive Igneous Rocks	-	17. Saving Darwinism From Itself	
18	CHAPTER 18 Stream Transport: From Mountains to Oceans 426		15. Weathering and Soils	-	18. Eternity in the Rocks	
19	CHAPTER 19 Winds and Deserts 452		16. Mass Wasting	-	19. Ice Over Earth	
20	CHAPTER 20 Coastlines and Ocean Basins 472		17. Sedimentary Rocks: The Key to Past Environments	-	20. The New Future of Magnetism	
21	CHAPTER 21 Glaciers: The Work of Ice 504		18. Metamorphic Rocks	-	22. Science and Dharma	

22	CHAPTER 22 Landscapes: Tectonic and Climate Interaction 530		19. Running Water I: Rivers, Erosion and Deposition	-	23. William Phillips: We Are God's Creatures	
23	CHAPTER 23 The Human Impact on Earth's Environment 550		20. Running Water II: Landscape Evolution	-	24. The Outer Limits of Science	
24			21. Groundwater	-	25. Two Worldviews, One Unified Vision	
25			22. Wind, Dust and Deserts	-	26. Alone in the Universe?	
26			23. Glaciers	-	27. At Home in the Sky	
27			24. Waves, Beaches and Coasts	-	28. Science and Religion: The Division of the World	
28			25. Living With Earth, Part I	-	29. Planetary Wombs and Stellar Cannibals	
29			26. Living With Earth, Part II	-	30. Christianity and Science's Refashioning	

30			1. The Living Machine	-	31. Radiation and Life	
31			2. The Blue Planet	-	33. Our Quest of the Cosmos	
32			3. The Climate Puzzle	-	34. Darwin's Origin Transforms Culture	
33			4. Tales From Other Worlds	-	35. Exploring the Puzzle of Life: Commentary on Roger McDonald's Mr. Darwin's Shooter	
34			5. Gifts From the Earth	-	36. Liquid From the Gods	
35			6. The Solar Sea	-	37. The Greening of Mars	
36			7. Fate of the Earth	-	39. Fireworks of Dying Stars	

Understanding Earth

[Amazon](#)
[Online Book \\$64.95](#)

Search Renzulli for these
Topics (1 a week)

- 1 Geology
- 2 Lithosphere
- 3 Mineralogy
- 4 Petrology
- 5 Geochemistry
- 6 Geomorphology
- 7 Paleontology
- 8 Stratigraphy
- 9 Structural Geology
- 10 Engineering Geology
- 11 Sedimentology
- 12 Geodesy
- 13 Magnetic Fields
- 14 Gravity Fields
- 15 Earth Core
- 16 Mantle
- 17 Tectonic Activity
- 18 Seismic Activity
- 19 Soil Science
- 20 Oceanography
- 21 Glaciology
- 22 Atmosphere
- 23 Biosphere
- 24 Celestial Sphere,
- 25 Astronomy
- 26 Earth Motions
- 27 Moon Phases
- 28 Eclipses
- 29 Volcanoes
- 30 Fossils
- 31 Plate Tectonics
- 32 Earthquakes
- 33 Water Resources
- 34 Energy Resources
- 35 Astronomy
- 36 Weather