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2009-2010 Curriculum Catalog

General Science III

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AOP comes complete with a full, multimedia-enriched curriculum for grades 3—12 in five core subjects and electives.

This course catalog covers the following course:

- General Science III

Thanks for choosing us!

Glynlyon Curriculum Development Team

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General Science III

Unit 1

Assignment Title
1. Structure of Matter
2. Quiz 1
3. Radioactivity
4. Quiz 2
5. Atomic Nuclei
6. Quiz 3
7. Nuclear Energy
8. Essay: Reactors
9. Quiz 4
10. Applications and Environmental Hazards
11. Quiz 5
12. Special Project
13. TEST
14. ALTERNATE TEST

Unit 2

Assignment Title
1. Volume
2. Experiment: Determining Volume
3. Quiz 1
4. Mass
5. Experiment: Mass of Gas
6. Quiz 2
7. Density
8. Quiz 3
9. Special Project
10. TEST
11. ALTERNATE TEST

Unit 3

Assignment Title
1. Earth Structures
2. Internal Structures
3. Igneous Structures
4. Essay: Volcanic Eruptions
5. Mountains
6. Quiz 1
7. Earth Changes
8. Erosion and Sediment
9. Oceans
10. Quiz 2
11. Earth Movements
12. Experiment: Specific Gravity
13. Experiment: Gravity
14. Plate Tectonics
15. Quiz 3
16. Special Project
17. TEST
18. ALTERNATE TEST

Unit 4

Assignment Title
1. An Observational Science
2. Sedimentary Rock
3. Fossils
4. Crustal Changes
5. Quiz 1
6. Measuring Time
7. Absolute Time
8. Quiz 2
9. Special Project
10. TEST
11. ALTERNATE TEST

Unit 5

Assignment Title
1. Chronology and Techniques for Investigation
2. Major Discoveries and Submersible Research
3. Essay: The Moon and Tides
4. Quiz 1
5. Geological Structure and Results of Profiling
6. Turbidity, Sedimentation, and Currents
7. Quiz 2
8. Biology of the Ocean
9. Chemistry of the Ocean
10. Physical Properties of the Ocean
11. Essay: Marine Report
12. Quiz 3
13. Special Project
14. TEST
15. ALTERNATE TEST

General Science III (cont.)

Unit 6

Assignment Title
1. Presuppositions
2. Extent of the Universe
3. Constellations
4. Measuring the Universe
5. Quiz 1
6. Gathering Light and Types of Telescopes
7. Other Types of Telescopes
8. Essay: Telescopes
9. Quiz 2
10. Space Explorations
11. Quiz 3
12. Special Project
13. TEST
14. ALTERNATE TEST

Unit 7

Assignment Title
1. Microorganisms
2. Categories of Pathogenic Organisms
3. Characteristics of Infectious Diseases
4. Essay: Medical Science
5. Quiz 1
6. Digestive Infections
7. Respiratory Infections
8. Nervous System Infections
9. Quiz 2
10. Common Viral Infections
11. Childhood Viral Infections
12. More Serious Viral Infections
13. Quiz 3
14. Protozoan Infections
15. Rickettsial Infections
16. Fungal Infections
17. Quiz 4
18. Special Project
19. TEST
20. ALTERNATE TEST

Unit 8

Assignment Title
1. Body Defense Mechanisms
2. Medical Drugs
3. Essay: Chemotherapy
4. Quiz 1
5. Environmental Conditions
6. Medical Advances and Total Health
7. Quiz 2
8. Governmental Agencies and Volunteer Groups
9. Medical and Drug Control Organizations
10. Quiz 3
11. Special Project
12. TEST
13. ALTERNATE TEST

Unit 9

Assignment Title
1. Ecology
2. Agriculture and Waste
3. Population
4. Quiz 1
5. Energy Sources
6. Debate: Fossil Fuels, Nuclear/Natural Power
7. Industry, Transportation, and Urbanization
8. Quiz 2
9. Outer Space
10. Inner Space and Self Exploration
11. Quiz 3
12. Special Project
13. TEST
14. ALTERNATE TEST

Unit 10

Assignment Title
1. Nuclear Power
2. The Metric System
3. Quiz 1
4. Weight Versus Mass
5. Quiz 2
6. Deposition Versus Erosion
7. The Oceans, Continents; Earth in Space
8. Quiz 3
9. Practical Health
10. Population and Environment
11. Quiz 4
12. Special Project
13. TEST
14. ALTERNATE TEST