



Switched-On
SCHOOLHOUSE® 2011 EDITION

Curriculum Catalog

General Science I

Welcome to Switched-On Schoolhouse!

We are excited that you are including Switched-On Schoolhouse as part of your program of instruction, and we look forward to serving you and your students.

Switched-On Schoolhouse comes complete with a full, multimedia-rich curriculum for grades 3-12 in five core subjects and electives.

Thanks for choosing us!

Alpha Omega Publications Curriculum Development Team

Alpha Omega Publications Technical Support

Alpha Omega Publications' technical support is Switched-On Schoolhouse's full-service technical support system. We exist to promote and preserve our customers' satisfaction. Our services include:

- Technical Support
- Product Configuration and Update Management

Please use the following information to contact Alpha Omega Publications' technical support:

Telephone:

Toll Free: 1-866-444-4498

Monday – Friday, 7 a.m. to 5 p.m. (CT)

Email:

techsup@aop.com

Table of Contents – General Science I

UNIT 1: WHAT IS SCIENCE?	1
UNIT 2: PERCEIVING THINGS	1
UNIT 3: EARTH IN SPACE (PART 1)	1
UNIT 4: EARTH IN SPACE (PART 2)	1
UNIT 5: THE ATMOSPHERE.....	1
UNIT 6: WEATHER.....	1
UNIT 7: CLIMATE	2
UNIT 8: THE HUMAN ANATOMY (PART 1)	2
UNIT 9: THE HUMAN ANATOMY (PART 2).....	2
UNIT 10: WORKING IN SCIENCE.....	2

General Science I

UNIT 1: WHAT IS SCIENCE?

Assignment Titles

- | | |
|-----------------------------------|------------------------------------|
| 1. Tools of a Scientist 1 | 8. The Four Major Areas of Science |
| 2. Tools of a Scientist 2 | 9. Quiz 3: Work of a Scientist |
| 3. Quiz 1: Tools of a Scientist | 10. Careers in Science |
| 4. Methods of a Scientist 1 | 11. Quiz 4: Careers in Science |
| 5. Methods of a Scientist 2 | 12. Special Project |
| 6. Quiz 2: Methods of a Scientist | 13. TEST |
| 7. The Scientist | 14. ALTERNATE TEST |

UNIT 2: PERCEIVING THINGS

Assignment Titles

- | | |
|-----------------------------------|---------------------------------------|
| 1. Measurement: The Metric System | 8. Graphs: Pictographs and Pie Charts |
| 2. Measurement: Size and Distance | 9. Experiment: Making Graphs |
| 3. Measurement: Area | 10. Quiz 2: Graphing Data |
| 4. Measurement: Volume | 11. Special Project |
| 5. Measurement: Mass | 12. TEST |
| 6. Quiz 1: Measurement | 13. ALTERNATE TEST |
| 7. Graphs: Uses, Bar, and Line | |

UNIT 3: EARTH IN SPACE (PART 1)

Assignment Titles

- | | |
|-------------------------------|-------------------------|
| 1. Stargazing | 8. Astronomers |
| 2. Star Charts | 9. Essay: Galileo |
| 3. Experiment: Constellations | 10. Quiz 3: Astronomers |
| 4. Quiz 1: Stargazing | 11. Special Project |
| 5. Astronomy | 12. TEST |
| 6. Experiment: Astrolabe | 13. ALTERNATE TEST |
| 7. Quiz 2: Astronomy | |

UNIT 4: EARTH IN SPACE (PART 2)

Assignment Titles

- | | |
|-----------------------------|----------------------|
| 1. The Sun's Energy | 8. Quiz 3: The Moon |
| 2. Quiz 1: The Sun's Energy | 9. Eclipses |
| 3. The Sun's Family | 10. Quiz 4: Eclipses |
| 4. Outer Planets | 11. Special Project |
| 5. Asteroids and Comets | 12. TEST |
| 6. Quiz 2: The Sun's Family | 13. ALTERNATE TEST |
| 7. The Moon | |

UNIT 5: THE ATMOSPHERE

Assignment Titles

- | | |
|--|----------------------|
| 1. Structure of the Atmosphere | 7. Pollution |
| 2. Solar Effects | 8. Quiz 3: Pollution |
| 3. Experiment: The Greenhouse | 9. Special Project |
| 4. Quiz 1: Structure of the Atmosphere | 10. TEST |
| 5. Natural Cycles | 11. ALTERNATE TEST |
| 6. Quiz 2: Natural Cycles | |

UNIT 6: WEATHER

Assignment Title

- | | |
|--------------------------------|---------------------------------|
| 1. Elements of Weather | 8. Quiz 2: Weather in Motion |
| 2. Wind | 9. Weather Forecasting |
| 3. Pressure | 10. Quiz 3: Weather Forecasting |
| 4. Experiment: Dew Point | 11. Special Project |
| 5. Quiz 1: Elements of Weather | 12. TEST |
| 6. Weather in Motion | 13. ALTERNATE TEST |
| 7. Fronts | |

General Science I (cont.)

UNIT 7: CLIMATE

Assignment Title

- | | |
|-------------------------------|-------------------------------|
| 1. Climate: General | 6. Climate: Regional (Part 2) |
| 2. Quiz 1: Climate: General | 7. Quiz 3: Climate: Regional |
| 3. Climate: Worldwide | 8. Special Project |
| 4. Quiz 2: Climate: Worldwide | 9. TEST |
| 5. Climate: Regional | 10. ALTERNATE TEST |

UNIT 8: THE HUMAN ANATOMY (PART 1)

Assignment Title

- | | |
|----------------------------------|----------------------------------|
| 1. Human Building Blocks | 8. Project: Human Brain |
| 2. Experiment: Cheek Cell | 9. Senses |
| 3. Quiz 1: Human Building Blocks | 10. Quiz 3: Human Nervous System |
| 4. Human Framework | 11. Special Project |
| 5. Skin | 12. TEST |
| 6. Quiz 2: Human Framework | 13. ALTERNATE TEST |
| 7. Human Nervous System | |

UNIT 9: THE HUMAN ANATOMY (PART 2)

Assignment Title

- | | |
|-----------------------------------|----------------------------------|
| 1. The Respiratory System | 9. The Excretory System |
| 2. Quiz 1: The Respiratory System | 10. Quiz 4: The Excretory System |
| 3. The Circulatory System | 11. The Endocrine System |
| 4. Experiment: Heart Rate | 12. Quiz 5: The Endocrine System |
| 5. Quiz 2: The Circulatory System | 13. Special Project |
| 6. The Digestive System—Part 1 | 14. TEST |
| 7. The Digestive System—Part 2 | 15. ALTERNATE TEST |
| 8. Quiz 3: The Digestive System | |

UNIT 10: WORKING IN SCIENCE

Assignment Title

- | | |
|-----------------------------------|---|
| 1. Scientists at Work | 11. Quiz 3: The Meteorologist at Work |
| 2. Experiment: Red Celery | 12. The Medical Scientist at Work |
| 3. Famous Scientists | 13. Nervous and Endocrine Systems |
| 4. Quiz 1: Scientists at Work | 14. Circulatory and Respiration Systems |
| 5. The Astronomer at Work | 15. Digestive and Excretory Systems |
| 6. Planets | 16. Quiz 4: The Medical Scientist at Work |
| 7. Quiz 2: The Astronomer at Work | 17. Special Project |
| 8. The Meteorologist at Work | 18. TEST |
| 9. Studying the Weather | 19. ALTERNATE TEST |
| 10. Studying Climates | |