



Switched-On
SCHOOLHOUSE® 2011 EDITION

Curriculum Catalog

General Science II

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!

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General Science II

UNIT 1: SCIENCE AND SOCIETY

Assignment Titles

- | | |
|-----------------------------|---------------------|
| 1. Science Today | 8. Essay: Da Vinci |
| 2. Post-Renaissance Science | 9. Limitations |
| 3. Essay: Mendel | 10. Quiz 3 |
| 4. Quiz 1 | 11. Special Project |
| 5. Today's Scientists | 12. TEST |
| 6. Quiz 2 | 13. ALTERNATE TEST |
| 7. Science and Technology | |

UNIT 2: STRUCTURE OF MATTER (PART 1)

Assignment Titles

- | | |
|------------------------------------|--------------------------|
| 1. Properties of Matter (1) | 9. Elements |
| 2. Experiment: Determining Volume | 10. Compounds |
| 3. Experiment: Metric Measurements | 11. Mixtures |
| 4. Properties of Matter (2) | 12. Experiment: Mixtures |
| 5. Quiz 1 | 13. Quiz 3 |
| 6. Atoms and Molecules | 14. Special Project |
| 7. Molecules | 15. TEST |
| 8. Quiz 2 | 16. ALTERNATE TEST |

UNIT 3: STRUCTURE OF MATTER (PART 2)

Assignment Titles

- | | |
|--------------------------------|-------------------------|
| 1. Matter and Change | 10. Bases |
| 2. Experiment: Phase Changes | 11. Experiment: Cabbage |
| 3. Solutions | 12. Quiz 3 |
| 4. Chemical Changes | 13. Salts |
| 5. Experiment: Forms of Change | 14. Quiz 4 |
| 6. Nuclear Changes | 15. Special Project |
| 7. Quiz 1 | 16. TEST |
| 8. Acids | 17. ALTERNATE TEST |
| 9. Quiz 2 | |

UNIT 4: FISHING COMMUNITIES

Assignment Titles

- | | |
|----------------------------|---------------------|
| 1. Foods and Digestion | 8. Quiz 3 |
| 2. Quiz 1 | 9. Hygiene |
| 3. Diet | 10. Quiz 4 |
| 4. Experiment: Food Record | 11. Special Project |
| 5. Quiz 2 | 12. TEST |
| 6. Nutritional Diseases | 13. ALTERNATE TEST |
| 7. Essay: Nutrition | |

UNIT 5: ENERGY (PART 1)

Assignment Titles

- | | |
|--------------------------|----------------------------------|
| 1. Mechanical Energy | 8. Energy Conversion and Entropy |
| 2. Potential Energy | 9. Essay: Entropy |
| 3. Quiz 1 | 10. Quiz 3 |
| 4. Other Forms of Energy | 11. Special Project |
| 5. Chemical Energy | 12. TEST |
| 6. Atomic Energy | 13. ALTERNATE TEST |
| 7. Quiz 2 | |

UNIT 6: ENERGY (PART 2)

Assignment Title

- | | |
|------------------------------|-------------------------------|
| 1. Magnetism | 8. Energy for the Future |
| 2. Experiment: Magnetism | 9. Experiment: Hot Dog Cooker |
| 3. Electricity and Magnetism | 10. Quiz 3 |
| 4. Quiz 1 | 11. Special Project |
| 5. Electricity | 12. TEST |
| 6. Electrical Circuits | 13. ALTERNATE TEST |
| 7. Quiz 2 | |

General Science II (cont.)

UNIT 7: MACHINES (PART 1)

Assignment Title

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|-----------------------|---------------------|
| 1. Distance | 8. Work |
| 2. Essay: Scientists | 9. Work and Energy |
| 3. Measuring Distance | 10. Quiz 3 |
| 4. Quiz 1 | 11. Special Project |
| 5. Force | 12. TEST |
| 6. Force Vectors | 13. ALTERNATE TEST |
| 7. Quiz 2 | |

UNIT 8: MACHINES (PART 2)

Assignment Title

- | | |
|---------------------------------------|--------------------------------------|
| 1. Friction | 8. Experiment: Pencil Sharpener |
| 2. Types of Friction | 9. Quiz 3 |
| 3. Experiment: Friction Investigation | 10. Inclined Plane, Wedge, and Screw |
| 4. Quiz 1 | 11. Quiz 4 |
| 5. Levers | 12. Special Project |
| 6. Quiz 2 | 13. TEST |
| 7. Wheel and Axle, Pulleys, and Gears | 14. ALTERNATE TEST |

UNIT 9: BALANCE IN NATURE

Assignment Title

- | | |
|----------------------------|---------------------------|
| 1. Photosynthesis and Food | 7. Balance and Disruption |
| 2. Food | 8. Resources |
| 3. Quiz 1 | 9. Quiz 3 |
| 4. Natural Cycles | 10. Special Project |
| 5. The Water Cycle | 11. TEST |
| 6. Quiz 2 | 12. ALTERNATE TEST |

UNIT 10: SCIENCE AND TECHNOLOGY

Assignment Title

- | | |
|-------------------------------|---|
| 1. Basic Science | 9. Quiz 2 |
| 2. Characteristics of Matter | 10. Life Science |
| 3. Matter in Change | 11. Quiz 3 |
| 4. Quiz 1 | 12. Vocations in Science and Technology |
| 5. Energy | 13. Quiz 4 |
| 6. Chemical and Atomic Energy | 14. Special Project |
| 7. Magnetism and Electricity | 15. TEST |
| 8. Machines at Work | 16. ALTERNATE TEST |