

Curriculum Catalog

Science 300

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 - Science 300

JNIT 1: YOU GROW AND CHANGE	<i>'</i>
JNIT 2: PLANTS	
JNIT 3: ANIMALS: GROWTH AND CHANGE	1
JNIT 4: YOU ARE WHAT YOU EAT	
JNIT 5: PROPERTIES OF MATTER	1
JNIT 6: SOUNDS AND YOU	2
JNIT 7: TIME AND SEASONS	2
JNIT 8: ROCKS AND THEIR CHANGE	2
JNIT 9: HEAT ENERGY	
JNIT 10: REVIEW	2

UNIT 1: YOU GROW AND CHANGE		
Assignment Titles		
Your Body Breathes Air	10. Experiment: Taking Your Pulse	
2. The Body Needs Oxygen	11. Project: Bone Numbers	
Experiment: Breathing Patterns	12. Quiz 3	
Experiment: Your Lungs	Your Body is Different from an Animal	
5. Quiz 1	14. Quiz 4	
Your Body Digests Food	15. Special Project	
7. Experiment: Taste Test	16. Review Game	
8. Quiz 2	17. TEST	
Your Body Exercises and Rests	18. ALTERNATE TEST	

	UNIT 2: PLANTS		
	Assignment Titles		
1. Plant Parts	Experiment: Watch Bean Seeds Grow		
2. Experiment: Root Hairs	10. Experiment: Plant a Piece of Potato		
3. Experiment: Study a Stem	11. Experiment: Bean Plant		
4. Quiz 1	12. Quiz 3		
5. Plant Growth	13. Special Project		
6. Experiment: Grow Some Plants	14. Review Game		
7. Quiz 2	15. TEST		
8. Plant Changes	16. ALTERNATE TEST		

UNIT 3: ANIMALS: GROWTH AND CHANGE		
	Assignment Titles	
Animals and the Environment	10. Project: Sort Birds By Type	
Experiment: Hourly Temperature Changes	11. Quiz 2	
Experiment: Heat Energy Comparison	12. How Animals Grow and Change	
Project: Desert Locations	13. Project: Sow Bug Environment	
5. Quiz 1	14. Quiz 3	
How Animals are Different	15. Special Project	
7. Animal Structures	16. Review Game	
Project: Vertebrate Chart	17. TEST	
Eating and Breathing	18. ALTERNATE TEST	

UNIT 4: YOU ARE WHAT YOU EAT		
Assignment Titles		
How to Build a Healthy Body	9. Quiz 2	
2. How to Build a Healthy Body-2	How to Form Good Health Habits	
3. Quiz 1	11. Caring for the Eyes and Body	
4. How to Plan for Healthy Eating	12. Quiz 3	
5. Project: Breakfast Chart	13. Special Project	
6. Project: Lunch Chart	14. Review Game	
7. Project: Dinner Chart	15. TEST	
8. Project: Chart Totals	16. ALTERNATE TEST	

UNIT 5: PROPERTIES OF MATTER		
Assignment Titles		
Chemistry and Robert Boyle	10. Physical Changes	
Experiment: Be a Chemist	11. Experiment: Mass Measurement	
Properties of Matter	12. Experiment: Melting Ice Cubes	
4. Experiment: Volume	13. Chemical Changes	
5. Experiment: Think about Mass	14. Quiz 2	
6. Experiment: Is Air Matter?	15. Special Project	
7. Project: Matter List	16. Review Game	
8. Experiment: Is Water Matter?	17. TEST	
9. Quiz 1	18. ALTERNATE TEST	

©2011 Glynlyon, Inc.

UNIT 6: SOUNDS AND YOU			
	Assignment Title		
1. Sound are Made	10. Quiz 2		
Experiment: Vibrations	11. Sounds are Heard		
3. Quiz 1	12. Experiment: Think About Hearing		
Sounds are Different	13. Report: How Animals Hear		
5. How Do Sounds Travel?	14. Quiz 3		
Experiment: Sound Patterns	15. Special Report		
7. Report: Read and Write About Sound	16. Review Game		
8. Experiment: High and Low Sounds	17. TEST		
9. Experiment: Loud or Soft?	18. ALTERNATE TEST		

UNIT 7: TIME AND SEASONS		
Assignment Title		
1. How the Earth Moves	9. Quiz 2	
Experiment: The Earth	10. Why Seasons Change	
3. Experiment: Night	11. Quiz 3	
4. Experiment: The Earth's Rotation	12. Special Project	
5. Quiz 1	13. Review Game	
6. Why Time Changes	14. TEST	
7. Experiment: Different Times	15. ALTERNATE TEST	
8. Report: Months		

UNIT 8: ROCKS AND THEIR CHANGE		
Assignment Title		
How Rocks are Formed: By Heat	Rocks are Used for Building	
Rocks Formed by Volcanoes	10. Report: Mount Rushmore	
3. How Rocks are Formed: By Pressure	11. Rocks are Used for Enjoyment	
Experiment: Bubbling Grains of Rock	12. Quiz 3	
5. Quiz 1	13. Special Project	
6. Rocks are Changed by Wind and Water	14. Review Game	
7. Rocks are Changed by Heat and Plants	15. TEST	
8. Quiz 2	16. ALTERNATE TEST	

UNIT 9: HEAT ENERGY		
Assignment Title		
1. Heat Energy (Part 1)	10. Experiment: Changing Liquid to Gas	
Experiment: Feeling Friction	11. Quiz 2	
3. Experiment: Oxygen and Fire	12. Heat Energy Affects Our Lives	
4. Heat Energy (Part 2)	13. Quiz 3	
5. Experiment: Static Electricity	14. Special Project	
6. Quiz 1	15. Review Game	
7. What Heat Energy Is and Does	16. TEST	
Experiment: Water Molecules	17. ALTERNATE TEST	
9. Movement of Heat Energy		

UNIT 10: REVIEW			
	Assignment Title		
Physical Change: Change in Man	Sounds and Energy		
Physical Change: Change in Plants	10. Experiment: How Sound Travels		
3. Physical Change: Change in Animals	11. Experiment: Temperature Comparisons		
4. Quiz 1	12. Quiz 3		
5. The Earth	13. Special Project		
6. Seasons and Times	14. Review Game		
7. Project: Rock Collection	15. TEST		
8. Quiz 2	16. ALTERNATE TEST		

©2011 Glynlyon, Inc. 2