

Curriculum Catalog

Science 300

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Course Overview

Science 300 is a basic elementary course intended to expose students to the designs and patterns in God's physical universe. This course provides a broad survey of the major areas of science. Some of the areas covered in Science 300 include the human body, plants, animals, health and nutrition, matter, sound waves, earth science, and heat energy.

The course seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects designed to build on children's natural curiosity. The student will explore, observe, and manipulate everyday objects and materials in their environment. Collectively, this should help students develop a subject-matter knowledge base.

Upon completion of the course, students should be able to do the following:

- Demonstrate a basic understanding of the systems in a human body.
- Discuss the process a plant goes through in order to grow.
- Explain the difference between types of animals.
- Determine which eating and care habits are the most healthy for students.
- Distinguish between the three phases of matter and describe their properties.
- Explain how sound travels.
- Describe why time and seasons change.
- Discuss how rocks are formed and how they change.
- Explain how heat is produced.

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	3.	Experiment: Study a Stem	12.	Quiz 3
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	5.	Plant Growth	14.	Review Game
	6.	Experiment: Grow Some Plants	15.	Test
	7.	Quiz 2	16.	Alternate Test
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١	9.	Experiment: Watch Bean Seeds Grow		

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	UNIT 3: ANIMALS: GROWTH AND CHANGE			
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2.	Experiment: Hourly Temperature Changes	12.	How Animals Grow and Change	
3.	Experiment: Heat Energy Comparison	13.	Project: Sow Bug Environment	
4.	Project: Desert Locations	14.	Quiz 3	
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6.	How Animals are Different	16.	Review Game	
7.	Animal Structures	17.	Test	
8.	Project: Vertebrate Chart	18.	Alternate Test	
9.	Eating and Breathing	19.	Reference	
10.	Project: Sort Birds By Type			

	UNIT 4: YOU ARE WHAT YOU EAT				
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1.	How to Build a Healthy Body	10.	How to Form Good Health Habits		
2.	How to Build a Healthy Body-2	11.	Caring for the Eyes and Body		
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4.	How to Plan for Healthy Eating	13.	Special Project		
5.	Project: Breakfast Chart	14.	Review Game		
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6.	Experiment: Sound Patterns	16.	Review Game	
7.	Report: Read and Write About Sound	17.	Test	
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4.	Quiz 1	13	Special Project	
5.	The Earth	14.	Review Game	
6.	Seasons and Times	15.	Test	
7.	Project: Rock Collection	16.	Alternate Test	
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9.	Sounds and Energy			

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