

CAROLINA

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Macmillan/McGraw-Hill Science, STC® and GEMS®

correlated to

**South Carolina Learning Standards
for Science - Kindergarten**

Carolina Biological Supply Company

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South Carolina Learning Standards for Science
(Grade Kindergarten)

Grade Kindergarten

Standard K-1: The student will demonstrate an understanding of scientific inquiry, including the processes, skills, and mathematical thinking necessary to conduct a simple scientific investigation.

South Carolina Indicators	Macmillan/McGraw-Hill SCIENCE © 2008	STC®	GEMS®
<p>K-1.1 Identify observed objects or events by using the senses.</p>	<p>All lessons in MacMillan/McGraw-Hill Science contain Explore, Be a Scientist, and Flipbook activities that address South Carolina Indicator K-1.1.</p>	<p>Comparing and Measuring: Section 4 All lessons Organisms: Section 4 All lessons Solids and Liquids: Section 4 All lessons Weather: Section 4 All lessons except Lessons 7 and 10</p>	<p>Ant Homes Under the Ground: All activities Bubble Festival: All activities Buzzing a Hive: All lessons Eggs Eggs Everywhere: All activities Elephants and Their Young: All activities Investigating Artifacts: All sessions Involving Dissolving: All activities Ladybugs: All activities Liquid Explorations: All activities Mother Opossum and Her Babies: All activities Penguins and Their Young: All activities Secret Formulas: All sessions Sifting Through Science: All activities Terrarium Habitats: All activities Tree Homes : All activities</p>
<p>K-1.2 Use tools (including magnifiers and eyedroppers) safely, accurately, and appropriately when gathering specific data.</p>	<p>All lessons in MacMillan/McGraw-Hill Science contain Explore and Be a Scientist activities that address South Carolina Indicator K-1.2.</p>	<p>Comparing and Measuring: Section 4 All lessons Organisms: Section 4 All lessons except Lesson 1 Solids and Liquids: Section 4 All lessons Weather: Section 4 Lessons 4-10</p>	<p>Ant Homes Under the Ground: All activities Bubble Festival: All activities Buzzing a Hive: All lessons Eggs Eggs Everywhere: All activities Elephants and Their Young: All activities Investigating Artifacts: All sessions Involving Dissolving: All activities Ladybugs: All activities Liquid Explorations: All activities Mother Opossum and Her Babies: All activities Penguins and Their Young: All activities</p>

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			Secret Formulas: All sessions Sifting Through Science: All activities Terrarium Habitats: All activities Tree Homes: All activities
K-1.3 Predict and explain information or events based on observation or previous experience.	All lessons in MacMillan/McGraw-Hill Science contain Explore and Be a Scientist activities that address South Carolina Indicator K-1.3.	Comparing and Measuring: Section 4 Lessons 4, 5, 8, 11, 12, 14, 16 Organisms: Section 4 Lesson 3 Solids and Liquids: Section 4 Lessons 1-16	Bubble Festival Act05 (pp80-85)
K-1.4 Compare objects by using nonstandard units of measurement.	Unit A , Lesson 3 Unit B , Lesson 7 Unit F , Lesson 2	Comparing and Measuring: Section 3 Organisms: Section 3 Solids and Liquids: Section 4 Lesson 10 Solids and Liquids: Section 3 Weather: Section 3, Section 4 Lesson 4, 5, 7-9, 11	Bubble Festival Act03 (pp66-73)
K-1.5 Use appropriate safety procedures when conducting investigations.	Lessons in MacMillan/McGraw-Hill Science contain Explore and Be a Scientist activities that address South Carolina Indicator K-1.5.	Comparing and Measuring: Section 3 Organisms: Section 3 Solids and Liquids: Section 3, Section 4 Lesson 10 Weather: Section 3, Section 4 Lessons 4-5, 7-9, 11	Ant Homes Under the Ground: All activities Bubble Festival: All activities Buzzing a Hive: All lessons Eggs Eggs Everywhere: All activities Elephants and Their Young: All activities Hide a Butterfly: All sessions Investigating Artifacts: All sessions LadybugsTG: All activities Mother Opossum and Her Babies: All activities Penguins and Their Young: All activities Sifting Through Science: All activities Terrarium Habitats: All activities Tree Homes: All activities

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Standard K-2: The student will demonstrate an understanding of the characteristics of organisms. (Life Science)

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K-2.1 Recognize what organisms need to stay alive (including air, water, food, and shelter).	Unit A , Lesson 2 Unit B , Lesson 2	Organisms: Section 4 All lessons except Lesson 11	Terrarium Habitats: Act02 (pp15-21)
K-2.2 Identify examples of organisms and nonliving things.	Be a Scientist, Lesson 3	Organisms: Section 4 Lessons 1, 15, 17	
K-2.3 Match parents with their offspring to show that plants and animals closely resemble their parents.	Unit A , Lesson 3 Unit B , Lesson 7	Organisms: Section 4 Lessons 7-10	
K-2.4 Compare individual examples of a particular type of plant or animal to determine that there are differences among individuals.	Unit A , Pages A10, A17, A23, A25 Unit B , Pages B4, B45		
K-2.5 Recognize that all organisms go through stages of growth and change called life cycles.	Unit A , Lesson 3 Unit B , Lesson 7	Organisms: Section 4 All lessons except Lesson 13	

Standard K-3: The student will demonstrate an understanding of the distinct structures of human body and the different functions they serve. (Life Science)

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K-3.1 Identify the distinct structures in the human body that are for walking, holding, touching, seeing, smelling, hearing, talking, and tasting.	Be a Scientist, Lesson 2; R8	Organisms: Section 4 Lesson 16	
K-3.2 Identify the functions of the sensory organs (including the eyes, nose, ears, tongue, and skin).	Be a Scientist, Lesson 2		

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Standard K-4: The student will demonstrate an understanding of seasonal weather changes. (Earth Science)

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K-4.1 Identify weather changes that occur from day to day.	Unit D , Lesson 1; Lesson 2	Weather: Section 4 All lessons except Lesson 3	
K-4.2 Compare the weather patterns that occur from season to season.	Unit D , Lesson 3	Organisms: Section 4 Lesson 4	
K-4.3 Summarize ways that the seasons affect plants and animals.	Unit B , Pages B29, B37 Unit D , Lesson 3	Organisms: Section 4 Lesson 4	

Standard K-5: The student will demonstrate the understanding that objects can be described by their observable properties. (Physical Science)

South Carolina Indicators	Macmillan/McGraw-Hill SCIENCE © 2008	STC®	GEMS®
K-5.1 Classify objects by observable properties (including size, color, shape, magnetic attraction, heaviness, texture, and the ability to float in water).	Unit E , Lesson 1; Lesson 2; Lesson 3	Comparing and Measuring: Section 4 Lessons 1-4, 17 Solids and Liquids: Section 4 Lessons 1-8, 14-15	Bubble Festival Act01-3 (pp54-73) Act05 (pp80-85) Act09 (pp102-107) Act11 (pp114-118) Sifting Through Science Act01 (pp7-22)
K-5.2 Compare the properties of different types of materials (including wood, plastic, metal, cloth, and paper) from which objects are made.	Unit E , Lesson 1; Lesson 2; Lesson 3		