

Grade K Science Curriculum Alignment with State Standards

District: Clovis

Textbook: Harcourt Science

Strand: SCIENTIFIC THINKING AND PRACTICE	Standard: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting and validating to think critically.	K-4 Benchmark I: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data.
--	---	--

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
1. Use observation and questioning skills in science inquiry (e.g., What happens when something is pushed or pulled?).	10–11, 62–63, 64–67, 68–69, 104–105, 106–117	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	All Year
2. Ask and answer questions about surroundings and share findings with classmates.	8, 10, 12, 24–25, 30–31, 40–41, 50–51, 62–63, 70–71, 76–77, 82–83, 96–97, 104–105, 110–111, 118–119, 132–133, 140–141, 148–149, 154–155, 168–169, 176–177, 182–183, 204–205, 210–211, 226–227, 232–233, 240–241, 248–249, 262–263, 270–271, 276–277, 292–293, 302–303	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	All Year
3. Record observations and data with pictures, numbers, and/or symbols.	10–11, 168–173	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books websites Mailbox Magazine Enchantedlearning.com Abcteach.com Thematic poems	All Year

Grade K Science Curriculum Alignment with State Standards

District: Clovis

Textbook: Harcourt Science

Strand: SCIENTIFIC THINKING AND PRACTICE	Standard I: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting and validating to think critically.	K-4 Benchmark II: Use scientific thinking and knowledge and communicate findings.
--	--	--

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
1. Communicate observations and answer questions about surroundings.	10-11, 62-75, 140-147, 302-303, 306-307	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	All Year

Strand: SCIENTIFIC THINKING AND PRACTICE	Standard I: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting and validating to think critically.	K-4 Benchmark III: Use mathematical skills and vocabulary to analyze data, understand patterns and relationships, and communicate findings.
--	--	--

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
1. Observe and describe the relative sizes and characteristics of objects (e.g., bigger, brighter, louder, smellier).	30-39, 40-49, 118-123, 146	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	All Year

Grade K Science Curriculum Alignment with State Standards

District: Clovis

Textbook: Harcourt Science

Strand: CONTENT OF SCIENCE	Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy	K-4 Benchmark I: Recognize that matter has different forms and properties.
----------------------------	--	---

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
1. Observe that objects are made of different types of materials (e.g., metal, plastic, cloth, wood).	30-39, 40-41, 48-49, 148-149, 152-153	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	First Nine Weeks
2. Observe that different materials have different properties (e.g., color, odor).	32–37, 42–47, 106–107, 150–151, Science Reader <i>Tell About Toys</i> 30-31, 38-39, 40-41, 48-49, 104-105, 108-109, 148-149, 152-153	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	First Nine Weeks

Strand: CONTENT OF SCIENCE	Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy	K-4 Benchmark II: Know that energy is needed to get things done and that energy has different forms.
----------------------------	--	---

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
1. Observe how energy does things (e.g., batteries, the sun, wind, electricity).	64–67, 84–85 62-63, 68-69, 82-83, 86-87, 104-105, 108-109	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader	Fourth Nine Weeks

		Scholastic News Trade books websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	
--	--	---	--

Grade K Science Curriculum Alignment with State Standards

District: Clovis

Textbook: Harcourt Science

Strand: CONTENT OF SCIENCE	Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy	K-4 Benchmark III: Identify forces and describe the motion of objects.
----------------------------	--	---

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
1. Observe that things move in many different ways (e.g., straight line, vibration, circular).	98–101, 120-121 96-97, 102-103	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	Fourth Nine Weeks
2. Know that the position and motion of an object (direction or speed) are changed by pushing or pulling it.	106-107, 104-105, 108-109	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	Fourth Nine Weeks

Grade K Science Curriculum Alignment with State Standards

District: Clovis

Textbook: Harcourt Science

<p>Strand: CONTENT OF SCIENCE</p>	<p>Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments.</p>	<p>K-4 Benchmark I: Know that living things have diverse forms, structures, functions, and habitats.</p>
-----------------------------------	--	---

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
<p>1. Identify major structures of common living organisms (e.g., stems, leaves, and roots of plants; arms, wings, and legs of animals).</p>	<p>228–229, 234-237, 278–281 226-227, 230-231, 232-233, 238-239, 276-277, 282-283</p>	<p>Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com</p>	<p>Second Nine Weeks</p>
<p>2. Observe that differences exist among individual living organisms (e.g., plants, animals) of the same kind.</p>	<p>134–137, 228–229, 264–267 132-133, 138-139, 226-227, 230-231, 262-263, 268-269</p>	<p>Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com</p>	<p>Second Nine Weeks</p>

Grade K Science Curriculum Alignment with State Standards

District: Clovis

Textbook: Harcourt Science

<p>Strand: CONTENT OF SCIENCE</p>	<p>Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments.</p>	<p>K-4 Benchmark II: Know that living things have similarities and differences and that living things change over time.</p>
-----------------------------------	--	--

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
<p>1. Observe and describe similarities and differences in the appearance and behavior of living organisms (e.g., plants, animals).</p>	<p>228–229, 235–237, 264–267 226-227, 230-231, 232-233, 238-239, 262-263, 268-269</p>	<p>Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com</p>	<p>Second Nine Weeks</p>
<p>2. Observe that living organisms (e.g., plants, animals) closely resemble their parents.</p>	<p>226–231, 232–239, 248–255, 262–269, 276–283 226-227, 230-231, 232-233, 238-239, 248-249, 254-255, 262-263, 268-269, 276-277, 282-283</p>	<p>Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com</p>	<p>Second Nine Weeks</p>

Strand: CONTENT OF SCIENCE

Standard II (Life Science): Understand the properties, structures, and processes of living things and the interdependence of living things and their environments.

K-4 Benchmark III: Know the parts of the human body and their functions.

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
<p>1. Use the senses (e.g., sight, hearing, smell, taste, touch) to observe surroundings, and describe the observations.</p>	<p>8–9, Science Reader <i>My Senses</i></p>	<p>Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Thematic Poems websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com</p>	<p>First Nine Weeks</p>
<p>2. Identify the parts of the human body (e.g., legs, arms, head, hands) and the functions of these parts.</p>	<p>8-9</p>	<p>Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com</p>	<p>First Nine Weeks</p>

Grade K Science Curriculum Alignment with State Standards

District: Clovis

Textbook: Harcourt Science

Strand: CONTENT OF SCIENCE	Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth's systems.	K-4 Benchmark I: Know the structure of the solar system and the objects in the universe.
----------------------------	--	---

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
1. Observe that there are many objects in the night sky and that some are brighter than others.	212–215, Science Reader <i>Above Me</i> 204-205, 210-211, 216-217	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	Third Nine Weeks
2. Describe the location and movements of objects in the sky (e.g., stars, sun, moon).	64–67, 206–207, 212–215 62-63, 68-69, 204-205, 208-209, 210-211, 216-217	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	Third Nine Weeks

Strand: CONTENT OF SCIENCE	Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth's systems.	K-4 Benchmark II: Know the structure and formation of Earth and its atmosphere and the processes that shape them.
----------------------------	--	--

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
1. Observe that changes in weather occur from day to day and season to season.	170–173, 184–193 168-169, 174-175, 182-183, 194-195	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	All Year
2. Observe that the sun warms the land and water and they warm the air.	64-67, 62-63, 68-69	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	Fourth Nine Weeks

Grade K Science Curriculum Alignment with State Standards

District: Clovis

Textbook: Harcourt Science

Strand: SCIENCE AND SOCIETY	Standard I: Understand how scientific discoveries, inventions, practices, and knowledge influence, and are influenced by, individuals and societies.	K-4 Benchmark I: Describe how science influences decisions made by individuals and societies.
-----------------------------	---	--

Grade K Performance Standards	Grade K Textbook Pages/Other Materials	Supplemental Materials	Month(s) when Addressed
1. Recognize that germs exist and may cause disease.	81	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books Websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	First Nine Weeks
2. Describe how science helps provide products we use every day (e.g., gasoline for cars; electricity for lights, refrigerators, TVs; gas or electricity for heating, cooking).	114–115, 178–179 176-177, 180-181	Knowledge Box Lessons Teacher Created Materials Big books Weekly Reader Scholastic News Trade books websites Mailbox Magazine Thematic poems Enchantedlearning.com Abcteach.com	Third Nine Weeks