

WHAT'S NEW

December 2023

Course Improvements for K-5 Science will ensure that learners have a standards-aligned, media-rich, and interactive experience to provide an engaging learning environment to bolster understanding of course content and improve outcomes.

TIMELINE OF DELIVERY AND COMMUNICATIONS

These updated and more closely aligned courses will be customer-ready the week of December 11th, 2023. Your Customer Success Manager will coordinate delivery to your learning management system.

IMPROVED COURSE INFORMATION (PARTS 2 of 2)

	Science Kindergarten	Science Grade 1	Science Grade 2	Science Grade 3	Science Grade 4	Science Grade 5
SCED ID	03 230 G 0000 0202	03 231 G 0101 0202	03 232 G 0202 0202	03 233 G 0303 0202	03 234 G 0404 0202	03 235 G 0505 0202
SM Course Description	This course explores key characteristics of plants and animals and how they work in various settings such as rainforests, deserts, rivers, and oceans. It also explores how plants and animals may change the environment in which they are found. It will explore the components that makeup Earth, and it will explore the various weather changes. They will also complete two projects in this course about riverlands and weather patterns.	This course explores how living things stay alive and how plants and animals survive, along with how plants and animals help solve human problems. It describes various objects in the sky such as the Sun, moon, and stars. Lastly, it will explain the changes in daylight in different seasons and weather and describe natural resources.	This course explores the structures of the human body, compares living things in different environments, and digs deeper into natural resources. Explorations include: the different types of landforms, bodies of water, and how to map both landforms and bodies of water. The course examines how changes are made to Earth's surfaces through weathering, erosion, earthquakes, volcanoes, hurricanes and floods. It digs deeper into the weather, seasons, and objects in the sky such as the Sun and moon.	This course investigates plants and animals, and how traits are passed from parent to offspring. It examines how plants are sorted into flowering and nonflowering categories. Animal characteristics are described and sorted into major groups based on key characteristics. Topics include climate and weather, our solar system, and natural resources.	The course examines plant and animal organisms, specifically their structures, functions, heredity, and adaptations, as well as their relationship to their environment. Finally, it explores planet Earth. Topics include rock formations, soil properties, fossil fuels, how the Earth's surface is shaped, Earth's features and systems, and how the Earth impacts humans.	The course investigates structures and functions of organisms, ecology and evolution, Earth's spheres, the geosphere, engineering and natural resources, and the Sun, Moon and Earth Systems. Activities include identifying plant and animal anatomy, explaining the flow of matter, describing climate change, evolution, weathering and erosion, seasons and the moon cycle, predicting, modeling, and observing across these topics to draw conclusions.

<p>Materials Required</p>	<p>Students - Required: crayons/markers/colored pencils, magnifying glass, paper, pencils, River Data Table Worksheet, magnifying glass, Weather Calendar printable, Weather Pattern Data Table (optional), Weather Calendar Graph (optional), Weather Patterns Worksheet</p>	<p>Students - Required: aluminum foil, baking soda, bowl, camera/video camera, cardboard, cereal box (empty), colored construction paper, colored markers, colored pencils, cooking oil, craft sticks, cups, flashlight, foam cups, foam sheets, heat source (heat lamp or a window in the sun), honey, ice cubes, lamp, lightbulb, magnets, metal can, mirror, modeling clay; objects of different sizes, shapes, colors, weights, and textures; objects of different temperatures (such as a cold glass of water and a hot mug of water); objects that make sound (such as a radio or musical instruments); objects that will float (balloon, empty bottle, small hollow ball); objects that will sink (quarter, rocks, balled-up clay, soda can); paper-towel roll, pencil, plastic water bottle (empty), plastic wrap (colored), pot, printables (see link in Syllabus), printer, printer paper, prism (a glass pie pan and a mirror with water can work), rice, rubber bands (small and medium), ruler (12-inch), salt, sandpaper, scale, scissors, shoe box (empty), small ball, small objects (such as different-sized toys), small particles (such as salt, sugar, sprinkles), spoon, straw, string, sugar, tape, tissue paper (white), tissue paper (colored), toilet-paper roll, toy car, vinegar, water, wax paper, wooden spoon</p>	<p>Students - Required: aluminum foil, camera/video camera, cardboard, coffee filter, colored building blocks, colored construction paper, colored markers, colored pencils, containers of different shapes and sizes, cotton balls, craft sticks, flashlight, flashlight, foam cups or containers, foam sheets (colored), glue, heat source (heat lamp or a window in the sun), ice cubes, magnets, modeling clay; objects of different temperatures (such as a cold glass of water and a hot mug of water); objects that will float (balloon, empty bottle, small hollow ball); objects that will sink (quarter, rocks, balled-up clay, soda can); objects with different sizes, shapes, colors, weights, and textures; paper-towel roll, pencil, pepper, plastic wrap, powdered drink mix, printables (see link in Syllabus), printer, printer paper, radio, salt, scissors, small potted plant, spoon, straws, tape, toilet-paper roll, toy car, water, wax paper</p>	<p>Students – Required: Balloon, camera/video camera, cardboard, colored construction paper, colored markers, colored pencils, containers of different shapes and sizes, cooking oil, fans (2 small), flashlight, foam sheets, glue, gravel, heat source (heat lamp or a window in the sun), ice cubes, magnetic objects, magnets, materials that are not magnetic (such as plastic, rubber, cloth), metal paper clips, metric ruler, mirror; objects of different temperatures (such as a cold glass of water and a hot mug of water); objects that will float (balloon, empty bottle, small hollow ball); objects that will sink (quarter, rocks, balled-up clay, soda can); objects with different sizes, shapes, colors, weights, and textures; pencil, plastic paper clips, powdered drink mix, printables (see link in Syllabus), printer, printer paper, rubber bands, sand, sandpaper, scale, scissors, small ball, tape, thermometer, toy car, water</p>	<p>Students - Required: audio recording equipment/tools, chart paper, colored paper, colored pencils/crayons/fine-tipped markers (drawing utensils), construction paper (large), construction paper (white), drawing paper, flash cards / index cards / notecards, glue or tape, graph paper, highlighters, notebook paper, poster board (large), poster-like paper (3 sheets, large), presentation software, printables (see link in Syllabus), scissors, webcam Teacher - Required: Balloons, batteries, beaker/jar(s), candle, freezer, hotplate, measuring cups (metric & customary), molecular model kit(s) (if not available, use gumdrops/marshmallows and toothpicks), outdoor analog thermometer (with both Fahrenheit and Celsius), ruler (conventional & metric), scale (conventional), strainer or filtering apparatus (funnel, flask, and filter paper, or a single-cup coffee filterer and coffee filter can be used); string, painters' tape, or chalk for marking; tape measure, thermometer(s), timer or clock with a second hand, whiteboards (individual), whiteboard (large),</p>	<p>Students - Required: audio recording equipment/tools, butcher paper, chart paper, colored paper, colored pencils/crayons/fine-tipped markers (drawing utensils), construction paper (large), construction paper (white), drawing paper, flash cards/index cards/note cards, glue or tape, graph paper, highlighters, notebook paper, poster board (large), poster-like paper (3 sheets, large), presentation software, printables (see link in Syllabus), scissors, webcam Teacher - Required: Balloons, batteries, beaker/jar(s), candle, freezer, hot plate, measuring cups (metric & customary), molecular model kit(s) (if not available, use gumdrops/marshmallows and toothpicks), outdoor analog thermometer (with both Fahrenheit and Celsius measurements), ruler (conventional & metric), scale (conventional), strainer or filtering apparatus (funnel, flask, and filter paper, or a single-cup coffee filterer and coffee filter can be used); string, painters' tape, or chalk for marking; tape measure, thermometer(s), timer or clock with a second hand, whiteboard markers, whiteboard erasers, whiteboards (individual),</p>
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					whiteboard markers, whiteboard erasers, wire to make a circuit	whiteboard (large), wire to make a circuit
Improvements	<ul style="list-style-type: none"> • 100% Alignment to National Standards • Expanded Media & Interactivity Throughout Every Course - additional media and interactivity added – <ul style="list-style-type: none"> ○ Reduced text heaviness, adding instructional images and over 1,200 graphics, videos, and interactives across K-5 curriculum, ○ New practice activities that are interactive for skill mastery and comprehension, ○ Updated Read Along interactive that has a new look and navigation for learners. • Grading Support for All Open Response Questions - additional grading supports for teachers including grading notes and rubrics <ul style="list-style-type: none"> ○ Added “Grading Notes” in the answer key and Speedgrader • Reading Level Evaluated and Brought to Grade Level K-3 • Evaluation of All Objectives and Assessment Items to Ensure Grade Level and Correct Measuring of Objectives 					
Availability Date	Week of 12/11/2023	Week of 12/11/2023	Week of 12/11/2023	Week of 12/11/2023	Week of 12/11/2023	Week of 12/11/2023
Related Course Information / Delivery Date	Science Kindergarten (1 of 2) July 2023	Science Grade 1 (1 of 2) July 2023	Science Grade 2 (1 of 2) July 2023	Science Grade 3 (1 of 2) July 2023	Science Grade 4 (1 of 2) July 2023	Science Grade 5 (1 of 2) July 2023