WHAT'S NEW

December 2023

Course Improvements for K-5 Mathematics 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)

	Mathematics Kindergarten	Mathematics Grade 1	Mathematics Grade 2	Mathematics Grade 3	Mathematics Grade 4	Mathematics Grade 5
SCED ID	02 030 G KGKG 0202	02 031 G 0101 0202	02 032 G 0202 0202	03 033 G 0303 0202	01 034 G 0404 0202	01 035 G 0505 0202
SM Course Description	This course explores number sense, counting and comparing numbers, adding and subtracting, geometric shapes, money, and data. The topics include counting to 100, adding and subtracting within 10 using different strategies, identifying groups of 10, ordering numbers on a number line, classifying objects and collecting data using picture graphs, identifying coins, and exploring three-dimensional shapes.	In this course), students will fluently count to 120, use place value to compare and order numbers, write numbers in different forms, and solve problems using addition and subtraction strategies. They will count money up to $100, compare lengths, measure objects using nonstandard units and inches, and tell time to the hour and half hour. In addition, students will create graphs and interpret data, describe attributes of two-dimensional and three-dimensional shapes, and partition shapes into halves and fourths.	This course explores adding and subtracting within 1,000, measuring length, data, geometry, time, money, and economic concepts. The topics include regrouping place values to add and subtract within 1,000, measuring and comparing lengths with different units, adding and subtracting lengths, representing and interpreting data in bar graphs, picture graphs, and line plots. Topics also include recognizing the attributes of two-dimensional and three-dimensional shapes, telling and writing time to the nearest minute, adding and subtracting money, and explaining economic concepts such	This course explores arithmetic patterns, operations such as multiplication and division, geometry, fractions, perimeter, area, time, measurement, data, and finances. Topics include explaining arithmetic patterns using properties of operations, identifying types of geometric lines, composing and decomposing fractions, generating equivalent fractions, calculating the perimeter of polygons, and using multiplication to solve for area. Topics will also include, reading and writing time to the nearest minute, measuring length in customary units, measuring liquid	This course focuses on modeling and solving within a variety of topics. These topics include fractions, geometric shapes, angles, and measurement. It explores comparing fractions, converting fractions to decimals, representing fractions on a number line, adding and subtracting fractions, and multiplying fractions. The instruction also focuses on identifying geometric shapes and angles and measuring time, length, weight, volume and applying these skills to real-world scenarios and word problems.	This course explores number sense, geometric principles, data analysis, and patterns. Number sense topics include adding, subtracting, multiplying, and dividing fractions. Topics include describing and applying the order of operations to evaluate expressions and solve equations. Geometry topics include finding perimeter and area using two-dimensional shapes and finding the volume of a three-dimensional figure. Data analysis includes exploring a variety of graphs and determining the mean, media, mode, and range. The utilization of models and problem-solving skills repeat throughout this

			as the role of producers and consumers.	volume, mass, and temperature, interpreting and representing data on a variety of graphs, and understanding concepts in personal finance.		course to apply mathematical reasoning skills to real-world scenarios.
Materials Required	**Students - Required:** blank ten-frame mat, coins (1 penny, 1 nickel, 1 dime, 1 quarter), crayons, glue stick, modeling clay; objects for counting and modeling, such as beans, bingo chips, or buttons; paper, pencils, printables (see Course Syllabus for link), printer and printer paper (for printables), scissors, tape, toothpicks or popsicle sticks	**Students - Required:** 100 small objects for counting and modeling, such as beans, bingo chips, or buttons; crayons/markers/colored pencils, glue, paper, pencils, printables (see Course Syllabus for link), printer and printer paper (for printables), scissors	**Students - Required:** 20 objects for counting (beans, buttons, crayons, etc.); crayons, colored pencils, or markers; glue or tape, notebook paper, pencil, printables (see Syllabus for link), printer, printer paper or cardstock (for durability), scissors	**Students – Required:** beakers (various sizes to measure volume in liters); crayons, colored pencils, or markers; glue or tape, notebook paper, pencil, printables (see link in Syllabus), printer, printer paper or cardstock (for durability), scissors, scale	**Students - Required:** chart paper, colored pencils/crayons/fine-tipped markers (drawing utensils), computer microphone, construction paper (white), digital balance, drawing paper, drawing paper, glue or tape, highlighters, index cards to create flashcards, measuring cups (metric and customary), notebook paper, outdoor analog thermometer, posterboard (large – 3 sheets), presentation software, printables (see link in Syllabus), ruler, scale (kitchen scale will work), scissors; string, painter's tape, or chalk for marking; tape measure, web camera, whiteboard, whiteboard erasers, whiteboard markers, yardstick	**Students - Required:** chart paper, colored pencils/crayons/fine-tipped markers (drawing utensils), computer microphone, construction paper (white), digital balance, drawing paper, drawing paper, glue or tape, highlighters, index cards to create flashcards, measuring cups (metric and customary), notebook paper, outdoor analog thermometer, posterboard (large – 3 sheets), presentation software, printables (see link in Syllabus), ruler, scale (kitchen scale will work), scissors; string, painter's tape, or chalk for marking; tape measure, web camera, whiteboard, whiteboard erasers, whiteboard markers, yardstick

Improvements	• **100% Alignment to National Standards** • **Expanded Media & Interactivity Throughout Every Course** - additional media and interactivity added – o Reduced text heaviness, adding instructional images and over 1,200 graphics, videos, and interactives K-5 curriculum, o New practice activities that are interactive for skill mastery and comprehension, o 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 o 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 December 11th	Week of December 11th	Week of December 11th	Week of December 11th	Week of December 11th	Week of December 11th
Related Course Information / Delivery Date	Mathematics Kindergarten (1 of 2) July 2023	Mathematics Grade 1 (1 of 2) July 2023	Mathematics Grade 2 (1 of 2) July 2023	Mathematics Grade 3 (1 of 2) July 2023	Mathematics Grade 4 (1 of 2) July 2023	Mathematics Grade 5 (1 of 2) July 2023