



Fulton Virtual

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2021-2022 Elementary School Course Catalog

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Courses	Course Number	Course Length	Course Description
Reading/Grade 3	23.0014000	Year-Long	This course will focus on students reading and writing in many genres and about a variety of topics. The students' abilities in reading aloud with fluency and comprehension will increase as well as their vocabulary. Students also will read and understand informational texts from other subject areas in addition to language arts. Third graders will use comprehension strategies as they independently read, and they will demonstrate understanding of specific elements in their written pieces. (Also offered as advanced)
Reading/Grade 4	23.0016000	Year-Long	In this course, fourth graders will read and comprehend texts from a variety of literary and informative genres. Students also will read and understand informational texts from other subject areas in addition to language arts. In addition, students will continue to develop their vocabulary through explicit word study based on the texts presented in class. Fourth graders will independently use metacognitive strategies to help with comprehending more complex text from a variety of genres. (Also offered as advanced)
Reading/Grade 5	23.0017000	Year-Long	In this course, fifth graders will deepen their understanding of concepts about text and comprehension strategies. They will develop their ability to analyze text and synthesize information from multiple texts and text structures. Students will study the effects of visual and multimedia elements. Through an examination of words and phrases, students will increase their vocabularies, including those that convey ideas and images, for reading and writing. Students will use reading as a tool for learning and have many opportunities to apply what they have learned through the integration of reading with other subjects. (Also offered as advanced)
Language Arts/Grade 3	23.0040000	Year-Long	This course will focus on students understanding and applying the conventions of standard English when writing and speaking. Third grade students will deepen their vocabulary through word study and engagement in more complex text. They will also begin to use more complex vocabulary when speaking and writing. (Also offered as advanced)

Language Arts/Grade 4	23.0050000	Year-Long	<p>This course will focus on students understanding and applying the conventions of standard English when writing and speaking. They will also deepen their oral and written vocabulary through word study and engagement in more complex text. Fourth graders will engage in a range of collaborative discussions to express and support their ideas and also build on the ideas of others. In addition, they will write in a variety of genres (opinion, informative/explanatory, narrative) for a variety of purposes and audiences. Students must show their proficiency of grade level conventions focusing on pronouns, verbs, prepositional phrases, commas, sentence structure, capitalization, usage, spelling, punctuation, and mechanics. Students must be able to identify the above conventions in sentences and use the conventions in the right context when writing complete sentences. (Also offered as advanced)</p>
Language Arts/Grade 5	23.0060000	Year-Long	<p>In this course, fifth graders receive integrated instruction emphasizing writing, speaking and listening and language usage and conventions to deepen their understanding of concepts about written language. Students will use writing as a tool for learning, and they will write in a variety of genres (opinion, informative/explanatory, narrative) for a variety of tasks, purposes and audiences. They will conduct short research projects using several sources to build knowledge through investigation and present their findings orally as well as in writing. Students will use the writing process for composing their texts and use technology, including the Internet to complete and publish their writing. Students will apply what they have learned about author's craft to their own pieces. Fifth graders will increase their oral and written vocabulary by being involved in classroom discussion and word study. They will also participate in oral discourse about a variety of topics, concepts, and texts and have many opportunities to apply what they have learned through integration of language arts with other subjects. (Also offered as advanced)</p>
Mathematics/Grade 3	27.0140000	Year-Long	<p>In Grade 3, instructional time will focus on four critical areas: (1) developing understanding of multiplication and division and strategies for multiplication and division within 100; (2) developing understanding of fractions, especially unit fractions (fractions with numerator 1); (3) developing understanding of the structure of rectangular arrays and of area; and (4) describing and analyzing two-dimensional shapes. (Also offered as advanced)</p>

Mathematics/Grade 4	27.0150000	Year-Long	In Grade 4, instructional time will focus on three critical areas: (1) developing understanding and fluency with multi-digit multiplication, and developing understanding of dividing to find quotients involving multi-digit dividends; (2) developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers; (3) understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry. (Also offered as advanced)
Mathematics/Grade 5	27.0160000	Year-Long	In Grade 5, instructional time will focus on three critical areas: (1) developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions); (2) extending division to 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations; and (3) developing understanding of volume. (Also offered as advanced)
Science/Grade 3	41.0140000	Year-Long	Third grade students study science by observing and comparing objects and using the information they obtain to answer their own questions. Their communication skills allow them to record findings and analyze data. They understand that the form or shape of an object is frequently related to use, operation or function. They will use this information to explain rock cycles, features of plants and animals, heat energy, and magnetic force. Third graders observe things with many parts and describe the ways in which the parts influence or interact with one another. Throughout the course students keep records of observations without making alterations. They add and subtract whole numbers mentally, on paper, and with a calculator. They observe, construct, and measure objects using ordinary hand tools. They represent objects in the real world with geometric figures, number sequences, graphs, diagrams, maps, and stories. They explain how the representations do not match their real world counterparts. Safety rules are emphasized.

Science/Grade 4	41.0150000	Year-Long	<p>Four grade science students are engage in investigations inside and outside the classroom. They compare and contrast physical attributes of stars, star patterns, and planets, use data tables and graphs and charts to predict weather events and to infer seasonal changes. They observe and explain cycles like the phases of the moon, and the water cycle. They investigate the nature of light using mirrors, lenses and prisms, and sound by vibrating objects. The students will study the relation between a force and the resulting motion (speed and direction) caused by that force. In this course students differentiate between observations and ideas. They speculate about observations they make. They add, subtract, multiply and divide whole numbers on paper, mentally, and with calculators. They list common materials for making simple mechanical constructions and for repairing things. Fourth graders use records, tables, or graphs to identify patterns of change. They write instructions and make sketches that allow others to carry out a scientific procedure. They determine whether or not a comparison is fair if conditions are different for each thing being compared. They question claims or statements made by people outside their field of expertise. Fourth graders know that safety is a fundamental concern in all experimental science and adhere to rules and guidelines to show they are responsible with materials and equipment.</p>
Science/Grade 5	41.0160000	Year-Long	<p>Fifth graders students use hands on activities to discover and explain phenomena. They conduct experiments and report their findings in the form of written reports, charts, and various other presentations including multi-media projects. They use numerical data to describe and compare objects. They identify the largest and smallest possible value of something. They will convert the fractions (halves, thirds, fourths, fifths, tenths, and hundredths) to decimals in scientific calculations. Their scientific explanations emphasize evidence and begin to use scientific principles, models, and theories. Fifth graders students investigate through experiments and demonstrations concepts on static electricity, physical and chemical changes. They will identify the parts of various types of cells, classify organisms, learn about the reasons why offspring can resembles parents, and how microorganisms benefit or harm larger organisms. Fifth graders know that safety is a fundamental concern in all experimental science and adhere to rules and guidelines to show they are responsible with materials and equipment.</p>

Social Studies/Grade 3	45.0040000	Year-Long	In third grade, students conclude their introduction to United States history by studying the origins of American democracy. The historical strand compares ancient Greek democracy in Athens with that of the United States and introduces selected Americans who have been important in ensuring our rights. The geography strand relates primarily to the people discussed in the history strand. In the government strand students begin the study of the foundations of a republican form of government. The economics strand continues the introduction of basic economics concepts.
Social Studies/Grade 4	45.0050000	Year-Long	In fourth grade, students begin the formal study of United States history. At this grade, the four strands of history, geography, civics, and economics are fully integrated. Students begin their study of United States history with the development of Native American cultures and conclude with the antebellum period ending in 1860. The geography strand emphasizes the influence of geography on early U. S. history. The civics strand emphasizes concepts and rights development during the formation of our government. The economics strand uses material from the historical strand to further understanding of economic concepts.
Social Studies/Grade 5	45.0060000	Year-Long	In fifth grade, students continue their formal study of United States history. As with fourth grade, the strands of history, geography, civics, and economics are fully integrated. Students study United States history beginning with the Civil War and continue to the present. The geography strand emphasizes the influence of geography on U. S. history. The civics strand emphasizes concepts and rights as outlined in amendments to the U. S. Constitution. The economics strand uses material from the historical strand to further understanding of economic concepts.
Physical Education/Grade 3	36.0040000	Year-Long	This course will involve students performing a variety of movement patterns within organized activities. Students will begin to demonstrate controlled manipulative skills. Emphasis will be placed on the value of health-related fitness activities and concepts; and students will recognize the importance of personal responsibility in relation to safe and appropriate participation.

Physical Education/Grade 4	36.0050000	Year-Long	This course will involve the application of a variety of complex movement patterns within organized activities. Students will demonstrate mature manipulative skills and patterns. Health-related fitness activities and concepts will be reinforced and assessed. Students will demonstrate personal responsibility in relation to safe and appropriate participation.
Physical Education/Grade 5	36.0060000	Year-Long	This course will extend the application of a variety of complex movement patterns within organized activities. Students will utilize mature manipulative skills and patterns in individual and group settings. Health-related fitness activities and concepts will be assessed and analyzed. Students will understand, accept, model, and apply personal responsibility in relation to safe and appropriate participation.
Visual Arts/Grade 3	50.0030000	Year-Long	Expands on previous course through more in-depth exploration of creating, presenting, and responding to art, while connecting the world of art to other areas of learning and personal endeavors.
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