

ENGLISH: ORAL LANGUAGE, READING, WRITING

- **Oral Communication:** Speaking and Listening, Conversations, Following Directions, Poems, Rhymes, Songs, and Stories
- **Vocabulary:** Word Meanings, Descriptive Words
- **Phonological Awareness:** Units of Sound, Rhyming Words
- **Reading:** Print Materials, Phonetic Principles, Letters of the Alphabet, Consonants and Vowels
- **Reading Comprehension:** Fiction and Nonfiction, Story Elements, Questions and Predictions
- **Handwriting:** Name Recognition and Construction, Letter Recognition and Formation
- **Composition:** Communicating Ideas through Pictures and Writing, Phonetically Spelled Words
- **Technology:** Becoming Familiar with Technology for Reading and Writing

MATH

- **Number Comparison:** More/Fewer/Same, 0-10, Counting 0-20
- **Counting:** Forward to 100, Backward from 10, one more/less
- **Number Patterns:** Repeating Patterns, Counting by 5s and 10s to 100, Part-Whole Relationships up to 10
- **Fractions:** Identification/Practical Problems Fraction (two sharers)
- **Money:** Value of Pennies, Nickels, Dimes, Quarters
- **Computation:** Addition/Subtraction of Whole Numbers Up to 10, Number Sense
- **Calendar:** Months of Year, Days of Week (yesterday, today, tomorrow)
- **Measurement:** Comparisons
- **Geometry:** Plane Figures, Comparison of Plane Geometric Figures, Spatial Relationships
- **Data Collection:** Object Graphs, Picture Graphs, Tables
- **Patterns, Functions, Algebra:** Repeating Patterns

HISTORY & SOCIAL SCIENCES

- **Skills:** Historical Thinking, Geographical Analysis, Economic Decision Making, and Responsible Citizenship
- **History:** Events and People, Past and Present
- **Geography:** Relative Location of People/Places/Things, Simple Maps/ Globes, Map Symbols
- **Economics:** Descriptions of Work People Do, Names of Jobs, Basic Economic Concepts
- **Civics:** Good Citizenship, Holidays, Patriotic Symbols

SCIENCE

- **Scientific and Engineering Practices:** Observation, Sequence, Measurement
- **Motion & Energy:** Push, Pull, Motion of Object
- **Matter and Water:** Colors, Shapes, Relative Size/Weight, Textures, Characteristics of Water
- **Life Processes:** Basic Needs, Life Processes and Life Cycles, Growth, Senses
- **Shadows:** Creation of Shadows, Light Sources, Effect of Light on Temperature
- **Environment and Resources:** Recycling, Water and Energy Conservation.
- **Patterns, Cycles, and Change:** Weather Observations, Patterns in Nature, Seasons, Day and Night

SPECIAL AREA CLASSES

- **Music**
- **Physical Education**
- **Art**
- **Library/Media**

Revised Fall 2021



ENGLISH: ORAL LANGUAGE, READING, WRITING

- **Oral Communication:** Speaking and Listening, Conversation and Directions, Clarifying and Explaining, Electronic Media, Poems, Rhymes, Songs, and Stories
- **Vocabulary:** Expanding Vocabulary
- **Phonemes:** Blending and Segmenting Sounds, Forming New Words
- **Reading:** Letters, Words, and Sentences, Phonetic Skills, Decoding and Spelling, Sight Words
- **Reading Comprehension:** Fiction and Nonfiction, Literary Elements, Questions and Predictions, Context and Background Knowledge, Reading for Information and Enjoyment
- **Handwriting:** Formation and Spacing
- **Composition:** Writing and Revising, Spelling and Punctuation, Communicating Ideas to Share with Others
- **Technology:** Becoming Familiar with Technology for Reading and Writing

MATH

- **Counting:** Forward to 110 (ones, twos, fives, tens), Backward given number 1-30, Identify Number Position (first-tenth)
- **Compare and Order:** Numbers 0-110 with pictures and words (greater than, less than, equal to)
- **Place Value:** Ones and Tens
- **Fractions:** Halves and Fourths
- **Money:** Value of like coins < 100 cents
- **Computation (0-20):** Addition/Subtraction, Story/Picture Problems
- **Time:** Analog/Digital (to the hour and ½ hour)
- **Measurement with Nonstandard Units:** Compare Length/Weight/Volume
- **Geometry:** Identification of Plane Figures and Attributes
- **Data Collection and Interpretation:** Tables, Picture Graphs, and Object Graphs

- **Patterns, Functions, and Algebra:** Growing/Repeating Patterns, Meaning of Equality

HISTORY & SOCIAL SCIENCES

- **Skills:** Historical Thinking, Geographical Analysis, Economic Decision Making, and Responsible Citizenship
- **History:** People in Virginia History, Virginia Leaders
- **Geography:** Map and Globe Skills, Location of Places, Map Construction, Climate, Physical Surroundings
- **Economics:** Goods and Services, Consumers, Producers, Decision Making Model
- **Civics:** Good Citizenship, Holidays, Patriotic Symbols, Virginia Government

SCIENCE

- **Scientific and Engineering Practices:** Investigation Process, Observation, Measurements, Graphing
- **Motion and Energy:** Motion, Vibration, Sound
- **Matter:** Solids, Liquids, Gases, Physical Properties, Transmission of Light
- **Life Processes:** Animals, Plants – Basic Needs and Classification
- **Cycles and Change:** Sun/Earth, Seasonal Changes of Plants and Animals, Weather, Day and Night
- **Resources:** Natural Resources, Conservation, Recycling, Air and Water Quality, Human Impact

SPECIAL AREA CLASSES

- **Music**
- **Physical Education**
- **Art**
- **Library/Media**

Revised Fall 2021

ENGLISH: ORAL LANGUAGE, READING, WRITING

- **Oral Communication:** Speaking and Listening, Story-telling and Drama, Communicating for a Purpose, Participating in a Group Discussion
- **Vocabulary:** Expanding Vocabulary through Reading and Listening, Prefixes and Suffixes
- **Phonetic Strategies:** Decoding and Spelling Multisyllabic Words
- **Reading:** Fluency, Phonetic Principles, Decoding and Spelling, Sight Words
- **Reading Comprehension:** Fiction and Nonfiction, Literary Elements, Main Ideas, Predictions, Print and Online Reference Resources
- **Writing:** Legible Printing, Writing and Revising Stories, Letters, Descriptions, Editing for Grammar, Capitalization, Punctuation, and Spelling
- **Technology:** Using Technology for Reading and Writing, Keyboarding

MATH

- **Place Value:** Identification, Number Sense, Rounding (Nearest Ten)
- **Number Comparison:** 0-9,99 with symbols (<, >, =)
- **Ordinal Numbers:** First-Twentieth, Positions
- **Fractions:** Name/Write/Represent with models (halves, thirds, fourths, sixths, eighths)
- **Counting:** Skip Counting up to 120 (2s, 5s, 10s), Backwards by 10s from 120, Even and Odd
- **Patterns:** Identification, Creation & Completion (Numbers or Symbols)
- **Computation:** Addition and Subtraction (2-digits), Estimation, Problem Solving, Basic Facts, Inverse Relationships, Modeling
- **Money:** Count/Compare Collection of coins less than \$2.00, Cent/Dollar Symbol/Decimal Point
- **Measurement:** Length, Weight, Temperature
- **Time:** Analog and Digital (to five minutes)
- **Geometry:** Compare and Contrast Plane/Solid Figures, Symmetry
- **Data Collection and Interpretation:** Pictographs and Bar Graphs
- **Equality:** Notation & Meaning (=, ≠)

HISTORY & SOCIAL SCIENCES

- **Skills:** Historical Thinking, Geographical Analysis, Economic Decision Making, and Responsible Citizenship
- **History:** Contributions of United States, American Indians Cultures, Famous Americans, Major Holidays
- **Civics:** Good Citizenship, Communities, United States Government
- **Economics:** Human/Natural/Capital Resources, Goods/Services, Scarcity, Decision Making Model
- **American Indians:** Powhatan of the Eastern Woodland, Lakota of the Plains, and Pueblo people of the Southwest
- **Geography:** Map and Globe Skills, Environment and Cultures, Locate Seven Continents, Five Oceans, Four Hemispheres, Major Rivers, Mountain Ranges and Great Lakes in U.S.

SCIENCE

- **Scientific and Engineering Practices:** Observation, Measurement, Classification
- **Force Motion & Energy; Magnets:** Magnetism, Compass, Gravity
- **Matter:** Solids, Liquids, Gases
- **Life Processes:** Plants and Animal Life Cycles and Changes
- **Weather:** Weather Patterns, Seasonal Changes, Effect of Weather on Animals/Plants
- **Plants:** Plant Growth, Plant Products, Plants and Geography, Natural Resources
- **Environments:** People and The Environment, Interdependence, Habitats, Pollution, Resources

SPECIAL AREA CLASSES

- **Music**
- **Physical Education**
- **Art**
- **Library/Media**

Revised Fall 2021

ENGLISH: ORAL LANGUAGE, READING, WRITING

- **Oral Communication:** Interacting in Group Discussions, Presenting Reports
- **Vocabulary:** Building Vocabulary through Word Study, Context Clues, and Word Reference Resources
- **Reading Comprehension:** Comprehension Strategies, Reading for a Purpose; Fiction, Nonfiction, and Poetry: Setting, Characters, Main Ideas; Print and Electronic Resources
- **Writing:** Cursive Handwriting, Planning, Drafting, Revising, and Editing Stories, Explanations, and Short Reports
- **Technology:** Using Technology for Reading and Writing, Keyboarding, Electronic Writing Process

MATH

- **Place Value:** Through Hundred Thousands, Standard and Expanded Form
- **Number and Number Sense:** Place value through hundred thousands, Standard and Expanded Form, Rounding, Comparing & Ordering (0-9,999)
- **Computation and Estimation:** Add/Subtract (4 digits or less), Multiplication and Division up to 10×10 , Practical Problems with Multiplication
- **Fractions:** Representations & Comparisons, Mixed Numbers, Equivalent Fractions, Add/Subtract Proper Fractions (like denominators 12 or less)
- **Money (Up to \$5.00):** Value of Coins/Bills, Making Change, Multi-step Application Problems.
- **Measurement(Customary & Metric):** Measurement of Length/Volume/Weight, Temperature, Perimeter and Area
- **Time:** Analog and Digital (to the nearest minute), Elapsed Time, Equivalent Time Relationships
- **Geometry:** Properties Plane/Solid Figures, Lines, Rays, Angles, Congruent Figures
- **Patterns, Functions, and Algebra:** Create/Extend Patterns, Create Equations to represent relationships
- **Data Collection and Interpretation:** Pictographs and Bar Graphs

HISTORY & SOCIAL SCIENCES

- **Skills:** Historical Thinking, Geographical Analysis, Economic Decision Making, and Responsible Citizenship
- **History:** Contributions of Egypt, China, Ancient Greece, Ancient Rome, Empire of Mali

- **Ancient Egypt and China:** Written Language, Inventions, Architecture, Geography, Environmental Adaptations, Influences on Modern Culture
- **Ancient Rome and Greece:** People, Architecture, Government, Sports, Influence on Modern Culture, Geography, Environmental Adaptations
- **Early Empire of Mali:** People, Oral Tradition, Government, Economic Development, Geography, Environmental Adaptations.
- **Geographic Information:** Change Over Time of Ancient Cultures, Maps/Globes/Charts/Tables/Graphs, Adaptations of People to Environment
- **Economics:** Natural, Human, Capital Resources, Economic Choice and Opportunity Cost, Specialization, Goods and Services, Interdependence
- **Civics:** Good Citizenship, Principles of Government, Contributions of People in History, Community Service

SCIENCE

- **Scientific and Engineering Practices:** Measurement, Classification, Prediction, Graphing
- **Force, Motion & Energy; Machines:** Uses of Technology, Functions and Examples of Simple and Compound Machines, Net Force
- **Matter:** Physical Properties, Molecules/Atoms, Interaction with Water
- **Life Systems and Processes:** Animal Behavior, Physical Adaptations, Relationships, Food Chains, Population and Community, Fossils and Interrelationships of Organisms
- **Earth/Space Systems:** Soil formation & Types, Conservation, Natural Forces
- **Earth Patterns, Cycles & Changes:** The Water Cycle, Water Supply/Conservation, Human Impact

SPECIAL AREA CLASSES

- **Music**
 - **Physical Education**
 - **Art**
 - **Library/Media**
- Revised Fall 2021

ENGLISH: COMMUNICATION, MEDIA LITERACY, READING, WRITING, AND RESEARCH

- **Speaking, Listening, and Media Literacy:** Discussion, Collaboration, Presentations, Reports, and Multimodal Texts
- **Vocabulary:** Expanding Vocabulary through Reading, Analysis, Context, and Reference Resources
- **Reading:** Fiction, Nonfiction, and Poetry, Author's Purpose, Classic and Contemporary Literature, Comprehension Strategies, Print and Electronic Resources
- **Composition:** Writing Process, Patterns of Organization, Narratives and Explanations, Electronic Writing Process
- **Research:** Locating Online, Print, and Media Resources to Research Topics, Digital Citizenship
- **Technology:** Using Technology to Organize, Evaluate, and Communicate Information, Keyboarding

MATH

- **Place Value:** Through Millions, Comparison of Numbers
- **Addition & Subtraction:** Estimation, Sums/Differences, Fractions (like and unlike denominators)
- **Fractions:** Representations and Comparisons, Mixed Numbers, Simplify Fractions, Order Fractions, Comparing and Ordering Fractions/Decimals/Mixed Numbers, Division Statements related to Fractions
- **Decimals:** Identification through Thousandths, Models, Rounding (nearest tenth/hundredth), Comparison, Addition and Subtraction
- **Multiplication:** Estimation, Factor, Product, Least Common Multiple, Greatest Common Factor
- **Division:** Estimation, Quotient, One-digit Divisors
- **Measurement:** Estimation/Problem Solving with U.S. Customary and Metric Units
- **Geometry:** Points, Lines, Line Segments, Rays, Angles, Line Relationships (Parallel, Intersecting, Perpendicular), Congruent Figures, Transformations, Polygons
- **Statistics:** Collection/Organization/Interpretation of Data, Definitions/Representation of Probability and Simple Events.
- **Patterns, Functions & Algebra:** Balancing Equations, Creation /Extension of Numerical Patterns and Functional Relationships, Associative Property of Addition/Multiplication

HISTORY & SOCIAL SCIENCES

- **Skills:** Historical Thinking, Geographical Analysis, Economic Decision Making, and Responsible Citizenship
- **Geography:** Map and Globe Skills, Natural Resources and Industry, Regions of Virginia, Boarding States, Location of American Indians and Colonial Settlements
- **The First Virginians and Jamestown:** Virginia Company of London, Africans, American Indians, Colonists
- **The Virginia Colony Grows:** Economic, Social/Political Life of the Colony, Slavery, Westward Migration of Population
- **Virginia and the American Revolution:** Role of Virginia in the American Revolution, Battle of Great Bridge, Victory at Yorktown
- **Virginia and the New Nation:** Virginia Declaration of Rights, Virginia Statute for Religious Freedom, Domestic and Foreign Challenges
- **Civil War, Reconstruction, & Beyond:** Regional Division, Role of Virginia in the Civil War, Reconstruction, Post-Reconstruction Virginia

SCIENCE

- **Scientific and Engineering Practices:** Observation, Measurement, Data
- **Life Processes:** Plant Structures/Processes, Photosynthesis, Dormancy
- **Living Systems:** Ecosystems, Behavioral/Structural Adaptation, Habitats, Life Cycles, Kingdoms of Living Things, Vascular/Nonvascular Plants, Vertebrates/Invertebrates
- **Earth/Space Systems:** Fronts, Clouds, Storms, Meteorological Tools and Measurement, Ocean Environments
- **Earth Patterns, Cycles & Changes:** Rotation, Revolution, Orbit, Seasons
- **Natural Resources of Virginia:** Watershed and Water Resources, Plants/Animals, Minerals, Energy Resources, Land, Virginia Ecosystems

SPECIAL AREA CLASSES

- **Music**
- **Physical Education**
- **Art**
- **Library/Media**

Revised Fall 2021

ENGLISH: COMMUNICATION, MEDIA LITERACY, READING, WRITING, AND RESEARCH

- **Speaking, Listening, and Media Literacy:** Collaborating in Group Learning Activities, Verbal and Nonverbal Communication, Purpose and Effectiveness of Media Messages
- **Vocabulary:** Expanding Vocabulary through Reading, Analysis, Context, and Reference Resources
- **Reading:** Fiction, Nonfiction, and Poetry, Supporting Opinions, Reading for Information in All Subject Areas
- **Composition:** Writing to Entertain, Explain, and Persuade
- **Research:** Evaluating Online, Print, and Media Resources, Citing Sources, Creating Research Products
- **Technology:** Using Technology to Organize, Evaluate, and Communicate Information

MATH

- **Number Sense:** Place Value, Rounding, Comparing and Ordering, Prime/Composite, Even/Odd
- **Practical Problems:** Addition and Subtraction(Whole Numbers, Decimals, Fractions), Multiplication and Division (Whole Numbers up to 4-digit by 2-digit, Decimals)
- **Fractions and Decimals:** Comparison, Equivalent Relationships, Conversions
- **Order of Operations:** Evaluation of Whole Number Expressions
- **Measurement:** Practical problems and equivalent relationships within the Metric system
- **Geometry:** Practical Problems (Perimeter, Area, Volume) Circles (Diameter, Radius, Chord, Circumference)
- **Circles:** Identification/Description of Diameter, Radius, Chord and Circumference
- **Triangles:** Classification by Sides/Angles, Practical Problems
- **Statistics:** Probability (Sample Space), Represent/Interpret Line Plots and Stem-and-Leaf Plots, Mean/Mode/Median/Range in context
- **Patterns, Functions & Algebra:** Numeric/Geometric Patterns, Variables, Problem Solving, One-step Equations,

HISTORY & SOCIAL SCIENCES: CULTURAL GEOGRAPHY OF OUR WORLD

- **Migration of Me:** Family Origins, Global Community, Interdependence and Interconnectedness
- **Culture, Environment and the Government Around Me:** Culture, Environment, Global Issues, and Government in Action
- **Passport Research:** Student inquiry, Media and Digital Literacy, Source Information
- **Skills:** Critical Thinking and Problem Solving, Communication and Collaboration, and Geographic Analysis

SCIENCE

- **Scientific Investigation:** Measurement, Classification, Prediction
- **Force, Motion & Forms of Energy:** Transmission of Sound, Sound as a Communication Tool, The Visible Spectrum, Optical Tools, Light Waves, Moving Objects, Changes in Motion, Friction, Kinetic Energy, Force and Nature of Electricity, Circuits, Magnetism, Static Electricity
- **Matter & Energy Resources:** Phases of Matter, Physical Properties, Conservation of Energy Resources
- **Earth & Space Systems:** Geological/Physical/Biological Characteristics, Public Policy, Role of Energy
- **Earth Patterns, Cycles & Changes:** Rock Cycle, Fossils, Plate Tectonics, Weathering, Erosion, Human Impact

SPECIAL AREA CLASSES

- **Music**
- **Physical Education**
- **Art**
- **Library/Media**

Revised Fall 2021