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 and Phonemic Awareness**
- **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 Using Technology for Reading and Writing

MATH

- **Number Comparison:** More/Fewer/Same, 0-10, Counting
- **Number Position:** First-Tenth
- **Counting:** Forward to 100, Backward from 10, Identify one more/less than a number
- **Number Patterns:** Repeating Patterns, Counting by 5s and 10s to 100
- **Fractions:** Identify \( \frac{1}{2} \) or \( \frac{1}{4} \) of set/region
- **Money:** Value of Coins, Recognition of Pennies/Dimes/Quarters
- **Computation:** Addition/Subtraction of Whole Numbers Up to 10, Number Sense
- **Time:** Analog and Digital (to the hour)
- **Measurement:** Instruments and Comparisons
- **Geometry:** Plane Figures, Comparison of Plane Geometric Figures, Spatial Relationships (above, below, next to)
- **Data Collection:** Gathering data by counting/tallying of objects, Displaying data and Answering questions related to data
- **Repeating Patterns:** Organization, Classification of Size/Shape/Color

HISTORY & SOCIAL SCIENCES

- **History:** Past Events and People Honored by Holidays
- **Geography:** Relative Location of People/Places/Things, Simple Maps/Globes, Map Symbols
- **Economics:** Descriptions of Work People Do, Needs and Wants
- **Civics:** Good Citizenship, Patriotic Symbols

SCIENCE

- **Scientific Investigations:** Observation, Sequence, Measurement, Senses
- **Force Motion & Energy; Magnets:** Effects of Magnets, Applications of Magnets
- **Matter and Water:** Colors, Shapes, Relative Size/Weight, Textures, Characteristics of Water
- **Life Processes:** Basic Needs, Life Processes and Life Cycles, Living and Non-Living
- **Shadows:** Creation of Shadows, Light Sources
- **Environment and Resources:** Recycling, Water and Energy Conservation.
- **Patterns, Cycles, and Change:** Weather Observations, Growth, Routines, Patterns in Nature.

SPECIAL AREA CLASSES

- **Music**
- **Physical Education**
- **Art**
- **Library/Media**
**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:** Letter Recognition, 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 100 by 1, 2s, 5s & 10s, Backward from 30 by 1
- **Number Identification:** Grouping objects into tens and ones and writing corresponding numeral
- **Place Value:** Ones, Tens
- **Patterns:** Numbers, Growing/Repeating
- **Fractions:** Writing/Identifying/Modeling ½, ¼, or ¼
- **Money (Up to 100 cents):** Value of Coins, Coin Equivalencies
- **Computation:** Addition & Subtraction (0-18), One-Step Story and Picture Problems
- **Time:** Analog and Digital (to the ½ hour), Calendar Language (today, yesterday, next week, last week)
- **Measurement:** Estimation, Measurement (Standard/Non-Standard), Comparisons
- **Geometry:** Identification of Plane Figures and Attributes
- **Data Collection:** Collection, Creation and Interpretation of Graphs
- **Equality:** Notation (=) & Meaning of Equality

**HISTORY & SOCIAL SCIENCE**

- **People and Events:** Sequence Changes Over Time, American Leaders, Major Holidays
- **Geography:** Map and Globe Skills, Location of Places, Map Construction, Climate, Physical Surroundings
- **Economics:** Goods and Services, Consumers/Producers, Financial Choices
- **Civics:** Good Citizenship, Patriotic Symbols, Decision-making, Communities

**SCIENCE**

- **Scientific Investigation and Energy:** Investigation Process, Motion, Vibration and Sound
- **Matter:** Solids, Liquids, Gases, Interaction with Water
- **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

**SPECIAL AREA CLASSES**

- **Music**
- **Physical Education**
- **Art**
- **Library/Media**
ENGLISH: Oral Language, Reading, Writing

- **Oral Communication:** Speaking and Listening, Storytelling 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:** Letters, Words, Sentences, Ending Punctuation
- **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:** Whole Numbers (0-999), Symbols (<, >, =) and words (greater than, less than, or equal to)
- **Ordinal Numbers:** Write and Identify First-Twentieth (1st-20th)
- **Fractions:** Representations and Comparisons ($\frac{1}{10}, \frac{1}{8}, \frac{1}{6}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$)
- **Counting:** Skip Counting (2s, 5s, 10s), Backwards by 10s, Even and Odd
- **Patterns:** Identification, Creation & Completion (Numbers or Symbols)
- **Computation:** Addition and Subtraction (2-digits), Estimation, Problem Solving, Basic facts, Inverse Relationships, Modeling
- **Story Problems:** Creation, Number Sentences
- **Money:** Identification of Symbols, Counting and Comparing
- **Measurement:** U.S./Metric Linear, Weight, Liquid, Temperature
- **Time:** Analog and Digital (to five minutes)
- **Geometry:** Identification and Comparison (Plane and Solid Figures), Symmetry
- **Data Collection:** Creation, Predictions and Interpretation of Graphs, Problem Solving
- **Equality:** Notation and Meaning (\(=, \neq\))

HISTORY & SOCIAL SCIENCES

- **History:** Contributions of Ancient China, Ancient Egypt, American Indians, Community Life
- **Civics:** Good Citizenship, Contributions of Americans, People of Virginia
- **Economic:** Natural, Human, and Capital Resources; Scarcity
- **Ancient Egypt:** Written Language, Inventions, Architecture, Geography, Environmental Adaptations, Influence on Modern Culture
- **Ancient China:** Written Language, Inventions, Geography, Environmental Adaptations, Influence on Modern Culture
- **American Indians:** Powhatan of the Eastern Woodland, Lakota of the Plains, and Pueblo people of the Southwest
- **Geography:** Locate the Seven Continents, Five Oceans, Rivers, Mountain Ranges, Regions of Powhatan, Lakota, and Pueblo Indians, Mountain Ranges and Great Lakes in U.S., and World Rivers, China, Egypt

SCIENCE

- **Scientific Investigation:** Observation, Measurement, Classification, Investigation Process
- **Force Motion & Energy; Magnets** – magnetism, compass
- **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
- **Environments:** People & the Environment, Interdependence, Habitats, Pollution, Resources

SPECIAL AREA CLASSES

- Music
- Physical Education
- Art
- Library/Media
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**: Word Analysis Skills, Comprehension Strategies, Reading for a Purpose
- **Fiction, Nonfiction, and Poetry**: Setting, Characters, Main Ideas, Purpose, Predictions, 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
- **Rounding Numbers**: Nearest Tens/Hundreds/Thousand, Estimation, Problem Solving
- **Number Comparison**: Using Symbols and Words (0-9,999)
- **Computation**: Addition and Subtraction (4 digits or less), Multiplication and Division (Facts to 12, Two-digit by One-digit), Fact Families, Inverse Relationships, Estimation, Problem Solving
- **Fractions**: Name, Write, Model, Compare Fractions, including Mixed Numbers
- **Addition & Subtraction with Fractions**: Proper Fractions, Like Denominators (12 or less)
- **Money (Up to $5.00)**: Find and Compare 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**: Identify, Compare, and Contrast Properties Plane/Solid Figures, Lines, Rays, Angles, Congruent Figures
- **Data Collection**: Collection, Creation, Predictions and Interpretation of Graphs, Problem Solving
- **Patterns, Functions & Algebra**: Patterns with Tables/Graphs, Commutative and Identity Properties of Addition/Multiplication
- **Probability**: Introduction, Listing Possible Results

HISTORY & SOCIAL SCIENCES

- **History**: Contributions of Ancient Greece, Ancient Rome, Empire of Mali, American Leaders, Accomplishments of Explorers
- **Ancient Rome**: People, Architecture, Government, Sports, Influence on Modern Culture, Geography, Environmental Adaptations
- **Exploration and Discovery**: Explorers, Routes of Exploration, Reasons for Exploring, Results of Exploration
- **Geographic Information**: Maps and Globe Skills, Location of Physical/Political Features and Hemispheres, Tables and Graphs
- **Economics**: Natural, Human, and Capital Resources, Specialization, Interdependence, Goods and Services, Economic Choice and Opportunity Cost
- **Civics**: Principles of Government, Contributions of People in History, Community Service, Government Holidays, Cultural Diversity

SCIENCE

- **Scientific Investigation**: Measurement, Classification, Prediction, Graphing, Experimental Design Process
- **Force, Motion & Energy; Machines**: Uses of Technology, Functions and examples of Simple and Compound Machines
- **Matter**: Physical Properties, Molecules/Atoms
- **Life Processes**: Animal Behavior, Physical Adaptations
- **Living Systems**: Land/Ocean Environments, Relationships, Adaptation, Food Chains, Population and Community
- **Earth/Space Systems**: Soil formation & Types, Conservation, Natural Forces

SPECIAL AREA CLASSES

- Music
- Physical Education
- Art
- Library/Media
ENGLISH: Communication, Media Literacy, Reading, Writing, and Research

- **Speaking, Listening, and Media Literacy**: Discussion, Collaboration, Presentations, Reports, and Media Messages
- **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
- **Technology**: Using Technology to Organize, Evaluate, and Communicate Information

MATH

- **Place Value**: Through Millions, Comparison of Numbers using Symbols (>, <, or =)
- **Addition & Subtraction**: Estimation, Sums/Differences, Fractions (like and unlike denominators), Single-Step and Multi-Step Practical Problems
- **Fractions**: Representations and Comparisons, Mixed Numbers, Equivalent Fractions, Simplify Fractions, Order Fractions
- **Fraction/Decimal Relationships**: 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 of Weight/Length/Liquid/Volume, Equivalent Measures
- **Geometry**: Points, Lines, Line Segments, Rays, Angles, Line Relationships (Parallel, Intersecting, Perpendicular), Congruent Figures, Transformations, Polygons
- **Statistics**: Collection/Organization/Interpretation of Data, Definition/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

- **Historical Analysis**: Primary Secondary Sources, Fact Fiction, Summarizing Sequencing
- **Geography of Virginia**: Map and Globe Skills, Regions of Virginia, Location of American Indians/Colonial Settlements, Natural Resources/Industry
- **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 Foreign Challenges, Louisiana Purchase, War of 1812
- **Civil War, Reconstruction, & Beyond**: Regional Division, Causes of the Civil War, Role of Virginia in the Civil War, Reconstruction, Post-Reconstruction Virginia
- **Virginia in the 20th Century**: Prominent Virginians, Social/Political Events, Economic Issues, World Conflicts, Technology and Change, Virginia State Government

SCIENCE

- **Scientific Investigation**: Observation, Measurement, Data, Experimental Design Process
- **Force, Motion, and Energy**: Moving Objects, Changes in Motion, Friction, Kinetic Energy, Force and Nature of Electricity, Circuits, Magnetism, Static Electricity
- **Life Processes**: Plant Structures/Processes, Photosynthesis, Dormancy
- **Living Systems**: Ecosystems, Behavioral/Structural Adaptation, Habitats, Life Cycles, Food Webs
- **Earth & Space Systems**: Fronts, Clouds, Storms, Meteorological Tools and Measurement
- **Earth Patterns, Cycles & Changes**: Rotation, Revolution, Orbit, Seasons, Planets
- **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
**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, to Explain, and Persuade, Electronic Writing Process
- **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:** Perimeter/Area of Polygons, Differentiation of Area/Perimeter/Volume, Length/Weight/Liquid Volume, Estimation, Equivalent Measures
- **Geometry:** Creation/Identification/Measurement of Angles, Polygons/Plane Figures
- **Circles:** Identification/Description of Diameter, Radius, Chord and Circumference
- **Triangles:** Classification by Sides/Angles, Practical Problems
- **Statistics:** Probability (Sample Space), Line/Bar Graphs, Stem-and-Leaf Plots, Statistical Analysis, Mean/Mode/Median/Range
- **Patterns, Functions & Algebra:** Numeric/Geometric Patterns, Variables, Problem Solving, Model One-step Equations, Distributive Property, Write Open Sentences

**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, Map Skills and Government in Action
- **Passport Research:** Global Connections, Digital Technology, Critical Thinking and Problem Solving, Communication and Collaboration, and Geographic Analysis

**SCIENCE**

- **Scientific Investigation:** Measurement, Classification, Prediction, Experimental Design Process
- **Force, Motion & Energy:** Transmission of Sound, Sound as a Communication Tool, The Visible Spectrum, Optical Tools, Light Waves
- **Matter:** Atoms, Molecules, Elements, Compounds, Mixtures, Solutions, Effects of Temperature
- **Living Systems:** Cell Parts, Kingdoms of Living Things, Vascular/Nonvascular Plants, Vertebrates/Invertebrates
- **Earth & Space Systems:** Geological/Physical/Biological Characteristics, Public Policy & Ocean Environments
- **Earth Patterns, Cycles & Changes:** Rock Cycle, Fossils, Plate Tectonics, Weathering, Erosion, Human Impact

**SPECIAL AREA CLASSES**

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