

## ENGLISH: ORAL LANGUAGE, READING, WRITING

- **Oral Communication:** Speaking and Listening, Participating in Conversations, Following Directions, Poems, Rhymes, Songs, and Stories
- **Vocabulary:** Understanding Word Meanings, Using Descriptive Words
- **Phonological Awareness:** Identifying 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, Basic Sentence 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, 0-30, Counting 0-20
- **Counting:** Forward to 100, Backward from 20, one more/less
- **Number Patterns:** Repeating Patterns, Counting by 1s, 5s and 10s to 100, Part-Whole Relationships up to 10
- **Fractions:** Identification/Practical Problems Fraction (two sharers)
- **Money:** Attributes 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 of length, height, width, volume, and time
- **Geometry:** Name/Describe/Construct Plane Figures, Comparison of Plane Geometric Figures
- **Data Collection:** Apply data cycle with focus on object Graphs, picture Graphs
- **Patterns, Functions, Algebra:** Repeating Patterns

## SOCIAL STUDIES

- **Skills:** Recognize Cause and Effect Relationships, Compare and Contrast People, Places and Events, Practice Good Citizenship
- **History:** Sequence Events and People in History, Past and Present
- **Geography:** Describe Relative Location of People, Places, Things, Use Simple Maps and Globes
- **Economics:** Describe Work People Do, Names of Jobs, Wants and Needs
- **Civics:** Good Citizenship, Community Symbols of Patriotism

## SCIENCE

- **Scientific and Engineering Practices:** Asking Questions, Making Observations, Describe Patterns, Sequence Objects, Use Models, Communicate Information
- **Force, Motion, and Energy:** Push and Pull
- **Matter and Water:** Colors, Shapes, Relative Size/Weight, Textures, Characteristics and Uses of Water
- **Life Processes:** Five Senses, Living and Nonliving, Basic Needs, Life Processes and Life Cycles
- **Shadows:** Creation of Shadows, Light Sources
- **Environment and Resources:** Recycling, Water and Energy Conservation
- **Patterns, Cycles, and Change:** Weather Observations, Change Over Time, Patterns in Nature

## SPECIAL AREA CLASSES

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

\* Full description of Standards can be found at [www.doe.virginia.gov](http://www.doe.virginia.gov)



## 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, Ask and Answer Questions, 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 120 (ones, twos, fives, tens), Backward given number 1-30, Identify Number Position (first-tenth)
- **Compare and Order:** Numbers 0-120 with pictures and words (greater than, less than, equal to)
- **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 using the data cycle
- **Patterns, Functions, and Algebra:** Identify, describe, extend, create and transfer Growing/Repeating Patterns

## SOCIAL STUDIES

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

## SCIENCE

- **Scientific and Engineering Practices:** Asking Questions, Making Conclusions, Investigate, Use Models, Read Graphs
- **Force, Motion, and Energy:** Motion, Vibration and Sound
- **Matter:** Physical Properties Introduction
- **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, Human Impact

## SPECIAL AREA CLASSES

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

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## 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:** Fluency, Phonetic Principles, Decoding and Spelling, Sight Words
- **Reading Comprehension:** Fiction and Nonfiction, Literary Elements, Main Idea and Theme, Ask and Answer Questions 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 (<, >, =)
- **Fractions:** Name/Write/Represent with models (halves, thirds, fourths, sixths, eighths)
- **Counting:** Skip Counting up to 200(2s, 5s, 10s, 25s), Backwards by 10s from 200, Even and Odd
- **Patterns:** Describe, extend, create, and transfer repeating & increasing patterns (Numbers or Symbols)
- **Computation:** Addition and Subtraction (2-digits), Estimation, Problem Solving, Basic Facts, Inverse Relationships, Modeling
- **Money:** Count/Construct Collection of coins less than \$2.00, Cent/Dollar Symbol/Decimal Point
- **Measurement:** Length, Weight, Liquid Volume
- **Time:** Analog and Digital (to five minutes)
- **Geometry:** Compare and Contrast Plane/Solid Figures, Symmetry
- **Data Collection and Interpretation:** Pictographs and Bar Graphs using the Data Cycle
- **Equality:** Notation & Meaning (=, ≠)

## SOCIAL STUDIES

- **Skills:** Historical Thinking, Geographical Analysis, Economic Decision Making, and Responsible Citizenship
- **History:** Innovation in the United States, Contributions of American Indian Cultures, Famous Americans, Major Holidays
- **Civics:** Good Citizenship, Communities, United States Government
- **Economics:** Natural Resources, Human Resources, Capital Resources, Exchange of Goods and Services
- **Environments of Three American Indian Cultures:** Powhatan of the Eastern Woodland, Lakota of the Plains, and Pueblo of the Southwest
- **Geography:** Map and Globe Skills, Locate Continents and Oceans, Mountain Ranges and Great Lakes in U.S.

## SCIENCE

- **Scientific and Engineering Practices:** Make Predictions, Conduct Investigations, Use Appropriate Tools to Measure, Interpret Data, Communicate Observations
- **Force Motion & Energy:** Forces Including Magnetism and Gravity
- **Matter:** Solids, Liquids, Gases, Phase Changes
- **Life Processes:** Plants and Animal Life Cycles and Changes, Habitats
- **Weather:** Weather Patterns, Seasonal Changes, Effect of Weather on Animals/Plants
- **Plants:** Plant Growth, Plant Products, Plants and Geography

## 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 Morphology, Context Clues, and Word Reference Resources
- **Reading Comprehension:** Comprehension Strategies, Reading for a Purpose; Fiction, Nonfiction, and Poetry: Plot Elements, Character Development, Theme, Main Idea; Print and Electronic Resources
- **Writing:** Cursive Handwriting, Planning, Drafting, Revising, and Editing Stories, Explanations, Opinions, and Short Reports
- **Technology:** Using Technology for Reading and Writing, Keyboarding, Electronic Writing Process

## MATH

- **Place Value:** Through Hundred Thousands, Standard, Word, and Expanded Form
- **Number and Number Sense:** , Rounding, Comparing & Ordering (0-9,999)
- **Computation and Estimation:** Add/Subtract (4 digits or less), Multiplication and Division up to  $10 \times 10$ , Practical Problems with Addition, Subtraction, Multiplication, and Division
- **Fractions:** Representations & Comparisons, Mixed Numbers, Equivalent Fractions, Add/Subtract Proper Fractions (like denominators 2,3,4,5,6,8, and 10)
- **Money (Up to \$5.00):** Value of Coins/Bills, Making Change, Multi-step Application Problems.
- **Measurement (Customary & Metric):** Measurement of Length/Liquid Volume/Weight, Perimeter and Area
- **Time:** Analog and Digital (to the nearest minute), Elapsed Time,
- **Geometry:** Properties Plane/Solid Figures, Lines, Rays, Angles, Congruent Figures
- **Patterns, Functions, and Algebra:** Create/Extend increasing and decreasing patterns, Create Equations to represent relationships
- **Data Collection and Interpretation:** Pictographs and Bar Graphs using the Data Cycle

## SOCIAL STUDIES

- **Skills:** Historical Thinking, Geographical Analysis, Economic Decision Making, and Responsible Citizenship
- **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
- **Geography:** Locate and Describe Major Rivers, Mountain Ranges, and Geographic Features of Africa, Asia, Europe, North America, and South America
- **Economics:** Natural, Human, and Capital Resources, Specialization, Producers, Goods and Services
- **Civics:** Responsibilities of a Good Citizen, Purpose of Government, Origins, Customs, and Traditions of American People

## SCIENCE

- **Scientific and Engineering Practices:** Design Experiment, Measurement, Interpret Data and Graphing, Predictions
- **Force, Motion and Energy; Machines:** Net Force, Friction, Simple and Compound Machines
- **Matter:** Physical Properties, Interactions with Water
- **Life Systems and Processes:** Land and Ocean Environments, Relationships, Adaptations, Population and Community, Food Chains
- **Earth/Space Systems:** Soil Formation and Types, Importance of Soil
- **Earth Patterns, Cycles and Changes:** Animal and Plant Life Cycles, Water Cycle, Conservation, Resources, Human Impact

## SPECIAL AREA CLASSES

- **Music**
- **Physical Education**
- **Art**
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## 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, Morpheme 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
- **Computation and Estimation:** Estimate, represent, solve, and justify solutions to sums and differences of whole numbers, fractions, and decimals.
- **Fractions:** Representing, Simplifying, Comparing and ordering fractions (proper, improper, and mixed), examine relationships to decimals, and multiply whole numbers with unit fractions,
- **Decimals:** Identification through Thousandths, Models, Rounding (nearest tenth/hundredth), Comparing and ordering
- **Measurement:** Estimation/Problem Solving with U.S. Customary and Metric Units, Elapsed Time
- **Geometry:** Points, Lines, Line Segments, Rays, Angles, Line Relationships (Parallel, Intersecting, Perpendicular), Congruent Figures, Transformations, Polygons
- **Statistics:** *Line Graphs using the Data Cycle*, Probability and Simple Events
- **Patterns, Functions & Algebra:** Balancing Equations, Creation/Extension of Increasing and Decreasing Patterns and Functional Relationships

## SOCIAL STUDIES

- **Skills:** Historical Thinking, Geographical Analysis, Economic Decision Making, and Responsible Citizenship
- **Historical Analysis:** Primary/Secondary Sources, Fact/Fiction, Summarizing/Sequencing
- **Geography of Virginia:** Map/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
- **Civil War, Reconstruction, & Beyond:** Regional Division, Role of Virginia in the Civil War, Reconstruction, Post-Reconstruction Virginia

## SCIENCE

- **Scientific and Engineering Practices:** Develop Hypotheses, Conduct Investigations, Metric Measurements, Data, Use Evidence and Make Inferences
- **Living Systems and Processes:** Plant Structures/Processes, Photosynthesis, Ecosystems, Behavioral/Structural Adaptation, Habitats, Food Webs, Life Cycles, Classification
- **Earth/Space Systems:** Fronts, Clouds, Storms, Meteorological Tools and Measurements, Solar System, Rotation, Revolution, Orbit, Seasons, Tides, Ocean Environment
- **Earth Resources:** Watershed and Water Resources, Plants/Animals, Minerals, Forests and Land

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## 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, Word Analysis, Using Context, and Reference Resources
- **Reading:** Fiction, Nonfiction, and Poetry, Supporting Opinions, Reading for Information in All Subject Areas
- **Composition:** Writing to Explain, Persuade, and Respond
- **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, E
- **Practical Problems:** Addition and Subtraction (Whole Numbers up to 5 digits, Decimals, Fractions), Multiplication and Division (Whole Numbers up to 4-digit by 2-digit, Decimals, Fractions with whole times proper fraction)
- **Fractions and Decimals:** Comparison, Equivalent Relationships, Conversions, Least Common Denominator, Addition and Subtraction with Like and Unlike Denominators (2,3,4,5,6,8,10, and 12),
- **Order of Operations:** Evaluation of Whole Number Expressions
- **Measurement:** Practical problems and equivalent relationships within the Metric system
- **Geometry:** Practical Problems (Perimeter, Area, Volume)
- **Triangles:** Classification by Sides/Angles, Practical Problems
- **Statistics:** Probability (Sample Space), Line Plots and Stem-and-Leaf Plots using the Data Cycle, Mean/Mode/Median/Range in context
- **Patterns, Functions & Algebra:** Numeric/Geometric Patterns, Variables, Problem Solving, One-step Equations

## SOCIAL STUDIES

- **Skills:** Analyze and Interpret Maps, Charts, Graphs, Pictures, Use Decision-Making Model, Comparing and Contrasting Ideas
- **Virginia Geography:** Regions, Cities, Land, Products, Natural Resources, Industries, and Travel
- **United States Geography:** Regions Associated with the 50 States, Major Cities, Products, Natural Resources, and Industries
- **Geography of North America and the Globe:** Continents, Oceans, Regions of North America, Energy, Economy, and Industries

## SCIENCE

- **Scientific and Engineering Practices:** Design Testable Problems, Conduct Investigations, Metric Measurements, Construct Arguments with Data, Develop and Use Models, Communicate Information and Solutions.
- **Force, Motion and Energy:** Forms of Energy, Energy Transformations, Force and Energy, Kinetic Energy, Net Force, Speed, Electricity, Magnetic Field, Sound and Vibrations, Visible Light, Wavelength, Reflection and Refraction
- **Matter:** Atoms, Molecules, Elements, Compounds, Mixtures, Solutions, Effects of Temperature
- **Earth & Space Systems:** Rock Cycle, Fossils, Plate Tectonics, Weathering, Erosion, Human Impact, Solar System Characteristics, Moon Phases, Seasons, Tides
- **Earth Resources:** Conservation of Energy Resources, Technology, Renewable and Nonrenewable Resources

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