



# Kindergarten Curriculum

|                                     |   |  |   |
|-------------------------------------|---|--|---|
| <p><b>Bible</b></p>                 | <ul style="list-style-type: none"> <li>• Understand the concept of creation (who, what, and why)</li> <li>• Recognize God as the Creator</li> <li>• Understand that Christmas and Easter exist because of Jesus</li> <li>• Know who Jesus is and develop a relationship with Him</li> <li>• Know what parables are and what the purpose is</li> </ul>   | <ul style="list-style-type: none"> <li>• Understand the concept of Salvation (who, what, why, and how) &amp; know the ABC's of Salvation (Accept, Believe, Confess)</li> <li>• Understand that Jesus and the disciples performed miracles and become a witness for Jesus</li> </ul>  | <ul style="list-style-type: none"> <li>• Recognize and understand the Old and New Testament people and events</li> <li>• Understand the purpose of the Ten Commandments and the Passover</li> <li>• Understand and apply the Bible to everyday life</li> </ul>  |
| <p><b>Reading &amp; Phonics</b></p> | <ul style="list-style-type: none"> <li>• Identify upper and lower case letters</li> <li>• Recognize letter sound relationships</li> <li>• Identify beginning and ending sounds</li> <li>• Read simple sentences</li> </ul>  | <ul style="list-style-type: none"> <li>• Read CVC/ CVCE/ CVVC words</li> <li>• Recognize basic sight words and environmental print</li> </ul>  | <ul style="list-style-type: none"> <li>• Predict possible story events</li> <li>• Spell word families, words/sight words</li> <li>• Retell parts of stories (setting, characters, events)</li> </ul>  |
| <p><b>Writing</b></p>               | <ul style="list-style-type: none"> <li>• Write from left to right and top to bottom</li> <li>• Use legible manuscript handwriting</li> <li>• Write letters of the alphabet and numerals correctly</li> </ul>  | <ul style="list-style-type: none"> <li>• Capitalize "I" and first letter of names</li> <li>• Write own name without a model</li> <li>• Write beginning and ending sounds</li> </ul>  | <ul style="list-style-type: none"> <li>• Copy print from the environment/ board</li> <li>• Composes a sentence to express a thought</li> </ul>  |
| <p><b>Mathematics</b></p>           | <ul style="list-style-type: none"> <li>• Recognize and represents numerals to 100</li> <li>• Match numerals to sets of objects to 30</li> <li>• Compare and order sets with up to 10 objects each</li> <li>• Use &amp; recognize ordinals first through tenth</li> <li>• Use addition, subtraction, and fraction concepts</li> </ul>  | <ul style="list-style-type: none"> <li>• Identify plane figures: circle, triangle, square, rectangle, oval, diamond</li> <li>• Identify solid figures: sphere, cone, cube, cylinder</li> <li>• Use directional and positional vocabulary</li> <li>• Recognizes concepts of calendar time</li> </ul>  | <ul style="list-style-type: none"> <li>• Estimate length using non-standard units and tells time to the nearest hour</li> <li>• Identify coins: penny, nickel, dime, quarter, and calculates the value of a set of coins</li> <li>• Copy, extend, describe, create a pattern and sorts and classifies objects</li> </ul>  |
| <p><b>Science</b></p>               | <ul style="list-style-type: none"> <li>• Observe and describe the similarities and differences among animals including: structure, growth, changes, and movement</li> <li>• Observe how a variety of animals interact and behave in their surroundings</li> <li>• Observe the similarities of humans to other animals including such as basic needs, growth and changes, and movement cover</li> <li>• Observe and describe the properties of different kinds of objects (clay, wood, cloth, paper, other) and how they are used</li> </ul> | <ul style="list-style-type: none"> <li>• Identify some common objects and organisms that are considered to be natural resources in our world.</li> <li>• Observe and report daily weather changes throughout the year</li> <li>• Identify different weather features including precipitation, wind, temperature, and cloud cover</li> <li>• Develop and use a vocabulary associated with the properties of materials: color, size, shape, texture</li> </ul> | <ul style="list-style-type: none"> <li>• Describe how objects look, feel, smell, taste, and sound using their own senses</li> <li>• Observe that objects can be described and sorted by their properties</li> <li>• Demonstrate that standard units of measure produce more consistent results than nonstandard units, allowing information to be shared</li> </ul> |
| <p><b>Social Studies</b></p>        | <ul style="list-style-type: none"> <li>• Understand that God made our world</li> <li>• Understand that God made us all different</li> </ul>   | <ul style="list-style-type: none"> <li>• Introduction to the Map and Globe</li> <li>• Understand that God made us all different</li> </ul>   | <ul style="list-style-type: none"> <li>• Learn many communities have different customs</li> <li>• Understand how things are the same/different long ago and today</li> </ul>  |

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# First Grade Curriculum

|                |  |   |  |
|----------------|--|---|--|
| Bible          | <ul style="list-style-type: none"> <li>• Believe the Bible is God's Word</li> <li>• Understand the plan of salvation as the center theme of the Bible</li> <li>• Comprehend Bible stories</li> </ul>   | <ul style="list-style-type: none"> <li>• Comprehend Bible stories</li> <li>• Apply biblical principles learned</li> <li>• Memorize assigned scriptures</li> </ul>   | <ul style="list-style-type: none"> <li>• Complete Bible Life assignments</li> <li>• Actively participates in Bible Life and Chapel</li> </ul>  |
| Language Arts  | <ul style="list-style-type: none"> <li>• Understand that language is a gift from God</li> <li>• Identify initial, medial, and final sounds</li> <li>• Blend sounds in words &amp; change sounds to make words</li> <li>• Read compound words and contractions</li> <li>• Use complete sentences to compose a draft from pre-writing ideas or journal prompts</li> <li>• Fluently reads grade level text aloud</li> <li>• Use reading strategies- determine main idea, identify plot, draw conclusions, predict outcomes</li> </ul> | <ul style="list-style-type: none"> <li>• Identify and describe story elements- setting, characters, events</li> <li>• Read, comprehend, and respond to fiction and nonfiction text</li> <li>• Use complete sentences to compose a draft from pre-writing ideas or journal prompts</li> <li>• Use a focused topic with supporting sentences</li> </ul> | <ul style="list-style-type: none"> <li>• Use compounds &amp; contractions correctly and recognize antonyms and synonyms</li> <li>• Spells high frequency words and irregular words correctly and uses phonics patterns to spell words correctly</li> <li>• Writes with a beginning, middle, and end while revises writing with assistance</li> </ul> |
| Mathematics    | <ul style="list-style-type: none"> <li>• Read, write, &amp; model numbers to 100</li> <li>• Compare &amp; order sets of numbers to 500</li> <li>• Understand place value of ones and tens</li> <li>• Estimate quantities less than or equal to 100</li> <li>• Know basic addition &amp; subtraction facts 0-12</li> <li>• Use addition &amp; subtraction strategies (models, count on, doubles, making tens, number line, symbols)</li> </ul>  | <ul style="list-style-type: none"> <li>• Identify, draw, &amp; name plane figures: parallelogram, square, trapezoid, hexagon</li> <li>• Identify, draw, &amp; name solid figures: cylinder, cone, rectangular prism</li> <li>• Collect, organize, &amp; display data</li> <li>• Translate symbolic notation into algebraic expression</li> </ul>      | <ul style="list-style-type: none"> <li>• Measure using standard &amp; non-standard units and develop understanding of the concept of time</li> <li>• Read, interpret, &amp; solve problems using tables &amp; graphs and identify possible outcome</li> <li>• Create, extend, &amp; identify the unit of patterns</li> </ul>                         |
| Science        | <ul style="list-style-type: none"> <li>• Recognize that God is the creator and sustainer of all things pertaining to scientific study</li> <li>• Understand what the needs are of plants and animals and recognize nonliving things</li> <li>• Identify and define physical-states of matter</li> </ul>  | <ul style="list-style-type: none"> <li>• Identify and compare Earth-earth materials, weather, and objects in the sky</li> <li>• Investigate-observe, describe, interpret scientifically</li> </ul>  | <ul style="list-style-type: none"> <li>• Understand that our body is a temple and we should make healthy choices to take care of it</li> </ul>   |
| Social Studies | <ul style="list-style-type: none"> <li>• Understand that God's purpose for human beings is that they will govern His creation</li> <li>• Geography- Define the five themes of geography - Location, Place, Regions, Movement, Human-Environment Interactions</li> <li>• History-Acquire basic knowledge of our country's founding fathers, laws and the symbols that represent our nation</li> </ul>   | <ul style="list-style-type: none"> <li>• Political Science-develop an appreciation and awareness of society and how people live and interact within their community in our culture and others</li> </ul>  | <ul style="list-style-type: none"> <li>• Economics-understand products and producers of everyday items we need and use&amp; graphs</li> </ul>  |

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# Second Grade Curriculum

|                |  |  |  |
|----------------|--|--|--|
| Bible          | <ul style="list-style-type: none"> <li>• Understand Bible stories and principles</li> <li>• Identify and comprehend the life of key people in the Bible, events, and history of the Bible</li> <li>• Memorize scripture from the Bible</li> </ul>  | <ul style="list-style-type: none"> <li>• Use the Bible to make daily decisions: choose between right and wrong choices</li> <li>• Recite the plan of salvation to witness to others</li> <li>• Define and display understanding of missions/mission work</li> </ul>  | <ul style="list-style-type: none"> <li>• Learn and recite the Old and New Testament Books of the Bible</li> <li>• Actively participate in daily Bible Life class and weekly Chapel service</li> <li>• Pray for others</li> </ul>   |
| Language Arts  | <ul style="list-style-type: none"> <li>• Use capitalization and punctuation</li> <li>• Write in complete sentences with correct word order</li> <li>• Determine subjects and predicate parts of sentences</li> <li>• Identify parts of speech: various nouns, verbs, adjectives, adverbs, pronouns</li> <li>• Use phonics rules to spell and define new words</li> <li>• Explain synonyms and identify contractions</li> <li>• Use the dictionary to define various new words</li> <li>• Journal writing and compose first drafts using the writing process</li> <li>• Accurately use cursive letter formation</li> <li>• Attend to spelling, mechanics, and organization for final drafts</li> <li>• Publish creative writings, such as stories, poetry, and reflections of current events</li> </ul> | <ul style="list-style-type: none"> <li>• Spell correctly using spelling patterns</li> <li>• Spell correctly using known words</li> <li>• Spell correctly using analysis of sounds in a word</li> <li>• Use phonics and structural analysis to decode multi-syllable words when reading text</li> <li>• Read high frequency and irregularly spelled words accurately</li> <li>• Read text fluently with expression</li> <li>• Self-correct pronunciation errors</li> <li>• Read and understand fiction, nonfiction, poetry, and drama in various texts</li> <li>• Recall main idea and details, determine author's purpose, and draw conclusions</li> </ul> | <ul style="list-style-type: none"> <li>• Distinguish between facts and opinions</li> <li>• Outline in sequential order</li> <li>• Interpret information from diagrams and charts</li> <li>• Determine cause and effect, make predictions, compare and contrast and identify beginning, middle, and end of a story</li> <li>• Explain and use new vocabulary terms</li> <li>• Connect and compare information to experiences and knowledge</li> </ul> |
| Mathematics    | <ul style="list-style-type: none"> <li>• Read, write, and model numbers up to 1000</li> <li>• Recognize odd and even numbers</li> <li>• Connect models, words and numbers using different representations</li> <li>• Compare, order, rename and estimate sets of numbers</li> <li>• Develop basic understanding of fractions</li> <li>• Identifies and makes symmetric and congruent figures</li> </ul>  | <ul style="list-style-type: none"> <li>• Builds understanding of place value of ones, ten, and hundreds</li> <li>• Develop fluency with multi-digit addition and subtraction</li> <li>• Develop mastery of basic addition and subtraction</li> <li>• Develop basic multiplication facts and uses problem solving strategies</li> </ul>   | <ul style="list-style-type: none"> <li>• Develops basic understanding of fractions</li> <li>• Identify and make symmetric and congruent figures</li> <li>• Estimates or measure temperature and measures time using analog clocks</li> <li>• Collects, organizes, describes, and displays data and conducts probability experiments</li> <li>• Translate number sentence into expressions</li> </ul>   |
| Science        | <ul style="list-style-type: none"> <li>• Life-life cycles</li> <li>• Earth-earth materials and resources</li> </ul>  | <ul style="list-style-type: none"> <li>• Physical-changes in matter</li> </ul>   | <ul style="list-style-type: none"> <li>• Investigation-test hypotheses and classify objects</li> </ul>   |
| Social Studies | <ul style="list-style-type: none"> <li>• History</li> <li>• Geography</li> </ul>   | <ul style="list-style-type: none"> <li>• Political Science</li> </ul>  | <ul style="list-style-type: none"> <li>• Economics</li> </ul>  |

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# Third Grade Curriculum

|                |   |  |  |
|----------------|---|--|--|
| Bible          | <ul style="list-style-type: none"> <li>• Praise and worship</li> <li>• Group prayer</li> <li>• Pledge to the Bible, Christian and American Flag</li> </ul>  | <ul style="list-style-type: none"> <li>• Identify and locates the books of the bible</li> <li>• Memorize assigned scripture</li> <li>• Understand bible stories and principles</li> </ul>  | <ul style="list-style-type: none"> <li>• Complete bible life assignments</li> <li>• Apply biblical principles</li> <li>• Actively participates in bible life and Chapel</li> </ul>   |
| Language Arts  | <ul style="list-style-type: none"> <li>• Preview text, sets and monitors purpose for reading, activates and uses prior knowledge</li> <li>• Monitor comprehension and uses fix-up strategies</li> <li>• Use graphic organizers to focus on text</li> <li>• Makes connections between texts and to oneself</li> <li>• Uses visualization, recognizes text structure and summaries text using retelling and main ideas</li> <li>• Identify elements of fiction-author's purpose, cause and effect, compare and contrast, drawing conclusions, fact and opinion, generalization, main idea and supporting details, and sequence of events, problem and solution</li> <li>• Recognize literary elements</li> <li>• Interpret figurative language and identifies characteristics of genre</li> </ul> | <ul style="list-style-type: none"> <li>• Identify sentences, subjects, and predicates</li> <li>• Distinguish types of sentences/identifies and creates compound sentences</li> <li>• Distinguish types of nouns</li> <li>• Identify and names types of nouns in sentences</li> <li>• Use types of nouns in writing</li> <li>• Distinguish types of verbs and verb tenses and correctly identifies types of verbs/verb agreements in sentences</li> </ul> | <ul style="list-style-type: none"> <li>• Identify and understands types of pronouns (singular, plural, subject, object, possessive)</li> <li>• Identify and uses contractions and prepositions and identifies and uses adjectives, adverbs, and conjunctions</li> <li>• Use punctuation and abbreviations correctly and uses cursive legibly</li> <li>• Compose detailed paragraphs</li> <li>• Use planning strategies for writing and revises writing to clarify focus</li> </ul> |
| Mathematics    | <ul style="list-style-type: none"> <li>• Read, write, and count numbers to the ten thousands and recognizes place value through the thousands period</li> <li>• Connect models, words, and numbers using different representations</li> <li>• Compare, order, rename, and estimate sets of numbers</li> <li>• Develop understanding of division</li> <li>• Use fact families and inverse operation with multiplication and division</li> </ul>  | <ul style="list-style-type: none"> <li>• Divide multi-digit by one digit divisors with and without remainders</li> <li>• Review meaning of fractions, parts of a whole, and parts of a group</li> <li>• Read and writes fractions for halves, thirds, fourths, sixths, and eighths</li> <li>• Understand and uses mixed numbers and equivalent fractions</li> </ul>  | <ul style="list-style-type: none"> <li>• Use fact families and inverse operation with addition and subtraction</li> <li>• Add and subtracts multi-digit whole numbers and decimal numbers</li> <li>• Geometry and Measurement</li> <li>• Data Analysis</li> <li>• Algebra and Functions</li> </ul>   |
| Science        | <ul style="list-style-type: none"> <li>• <b>Unit A Life Science</b><br/>Learn how different parts of pant grow and help it live<br/>Learn how different animals live, grow, and change<br/>Learn how ecosystems differ from each other<br/>Learn how plants and animals interact in ecosystems</li> <li>• <b>Unit B Earth Science</b><br/>Learn how water changes forms<br/>Learn how weather follows patterns<br/>Learn why rocks and soil resources are important<br/>Learn how people use natural resources responsibly</li> </ul>   | <ul style="list-style-type: none"> <li>• <b>Unit C Physical Science</b><br/>Learn the properties of matter<br/>Learn the physical/chemical changes in matter<br/>Learn how energy changes forms<br/>Learn how energy produces sounds we hear</li> </ul>  | <ul style="list-style-type: none"> <li>• <b>Unit D Space and Technology</b><br/>Learn patterns the Earth, sun, moon, and stars show<br/>Learn the differences and similarities of planets in the solar system.<br/>Learn how technology affect our lives</li> </ul>  |
| Social Studies | <ul style="list-style-type: none"> <li>• The Five Themes of Geography</li> <li>• What is geography and how God intend for man to use it</li> <li>• Being a responsible citizen</li> </ul>   | <ul style="list-style-type: none"> <li>• Looking at the earth God created</li> <li>• Reading maps and globes</li> <li>• Identify continents, equator and hemispheres</li> </ul>  | <ul style="list-style-type: none"> <li>• Community leaders, local, state, and national</li> <li>• Holidays and celebrations</li> <li>• Study of North Carolina</li> </ul>  |

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# Fourth Grade Curriculum

|                |   |   |   |
|----------------|---|---|---|
| Bible          | <ul style="list-style-type: none"> <li>• Use and understand Bible study tools and resources</li> <li>• Locate historical places and events</li> <li>• Recognize the attributes of God</li> </ul>  | <ul style="list-style-type: none"> <li>• Identify the characteristics of Christ</li> <li>• Understand the concept of the Trinity</li> <li>• Explain and apply the concept of salvation</li> </ul>   | <ul style="list-style-type: none"> <li>• Identify, understand, and apply biblical principles</li> <li>• Apply biblical concepts to daily life</li> <li>• Memorize assigned scriptures</li> </ul>  |
| Language Arts  | <ul style="list-style-type: none"> <li>• Increase vocabulary through word study, multiple meaning words, dictionary, glossary, thesaurus, and context clues</li> <li>• Identify elements of fiction and nonfiction: theme, authors word choice, mood and figurative language</li> <li>• Summarizes to clarify information and retain ideas using various graphic organizers</li> <li>• Reference texts to find main idea, infer, draw conclusions, make generalizations, analyze graphic sources, determine cause and effect relationships, and identify fact and opinions.</li> <li>• Analyze characters, events and plots</li> <li>• Identify and uses the four types of sentences: declarative, interrogative, imperative and exclamatory.</li> <li>• Identify action, linking, main and helping verbs</li> <li>• Write sentences with correct subject-verb agreement</li> <li>• Identify past, present, and future tense verbs.</li> <li>• Uses homophones and homonyms correctly</li> <li>• Infers word meaning from roots, prefixes, and suffixes</li> <li>• Uses word references to verify spelling</li> </ul> | <ul style="list-style-type: none"> <li>• Identify action, linking, main and helping verbs</li> <li>• Write sentences with correct subject-verb agreement</li> <li>• Identify past, present, and future tense verbs.</li> <li>• Use homophones and homonyms correctly</li> <li>• Infer word meaning from roots, prefixes, and suffixes</li> <li>• Read variety of texts: fiction, nonfiction, poetry, drama and independent novels</li> <li>• Identify elements of fiction and nonfiction: theme, authors word choice, mood and figurative language</li> <li>• Summarize to clarify information and retain ideas using various graphic organizers</li> </ul> | <ul style="list-style-type: none"> <li>• Compose paragraphs with topic sentences, specific and relevant details, logical progression, elaboration and conclusion</li> <li>• Identify elements of personal and imaginative narratives</li> <li>• Produce work that follows the convention of a particular genres (i.e. personal and imaginative narratives, haiku poetry, freelance poetry, and reports)</li> <li>• Use planning strategies to generate topics and organize ideas</li> <li>• Focus revision on word choice, sequence, transitional words, and sentence patterns</li> </ul> |
| Mathematics    | <ul style="list-style-type: none"> <li>• Build understanding of place value to the millions</li> <li>• Compare, order, and estimate rational numbers and estimate sums and differences</li> <li>• Develop fluency with multiplication and division facts</li> <li>• Translates number sentences into expressions and equations using: addition, subtraction, multiplication and division</li> <li>• Describe data distribution using mean, median, and mode</li> </ul>  | <ul style="list-style-type: none"> <li>• Collect, organize, describe, and display data using frequency tables, line plots and stem and leaf plots</li> <li>• Review plane figures and classify them according to properties and determine the area of rectangles, and the perimeter of plane figures</li> <li>• Identify, predict, and describe the results of transformation of plane figures</li> </ul>   | <ul style="list-style-type: none"> <li>• Develop fluency with multiplication 2-digit by 2-digit up to 4 digits</li> <li>• Develop fluency with division up to 3 digit by 2 digit divisors</li> <li>• Models and diagrams fraction concepts and compare, order, simplify and find equivalent fractions</li> <li>• Add and Subtract fractions with like and unlike dominators</li> </ul>  |
| Science        | <ul style="list-style-type: none"> <li>• Understand scientific investigation</li> <li>• Life Science</li> </ul>   | <ul style="list-style-type: none"> <li>• Physical Science</li> <li>• Earth Science</li> </ul>   | <ul style="list-style-type: none"> <li>• Earth Science</li> <li>• Life Science</li> </ul>   |
| Social Studies | <ul style="list-style-type: none"> <li>• Apply the five themes of geography of North Carolina and its people</li> <li>• Trace the history of colonization of the three regions of North Carolina: Coastal Plain, Piedmont, and Mountain region to the present</li> </ul>  | <ul style="list-style-type: none"> <li>• Examine ways North Carolinians govern themselves and identify major government at eh local and state level</li> </ul>  | <ul style="list-style-type: none"> <li>• Assess political, economic, and social changes in ways of living in North Carolina</li> </ul>  |

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# Fifth Grade Curriculum

|                |  |  |   |
|----------------|--|--|---|
| Bible          | <ul style="list-style-type: none"> <li>Achan: Hiding Sin</li> <li>Deborah: A Helper to Others</li> <li>Gideon: A Man Who Faced Fear</li> <li>Absalom: Rebellion</li> </ul>   | <ul style="list-style-type: none"> <li>Ahab and Elijah: The Fight Between Good and Evil</li> <li>Jephthah: Overcoming a Poor Background</li> <li>Samuel: Sensitivity to God</li> <li>Saul: Pride and Disobedience</li> </ul>   | <ul style="list-style-type: none"> <li>Elisha: Prophet of Miracles and Mercy</li> <li>Ezra: The Religious Reformer</li> <li>Nehemiah: The Rebuilder</li> </ul>  |
| Language Arts  | <ul style="list-style-type: none"> <li>Define and identify subjects and predicates</li> <li>Define regular and irregular possessive nouns</li> <li>Distinguish between action and linking verbs</li> <li>Define main and helping verbs</li> <li>Write using subject-verb agreement</li> <li>Uses prepositions and prepositional phrases in writing</li> <li>Define and identify subject and object pronouns</li> <li>Identify indefinite and reflexive pronouns</li> <li>Recognize adjectives and articles</li> <li>Use conjunctions in writing</li> <li>Understand vowel and consonant digraphs</li> <li>Recognize rules for adding suffixes</li> <li>Define prefix meanings</li> <li>Identify English words from other cultures</li> </ul> | <ul style="list-style-type: none"> <li>Define and identify homophones</li> <li>Define suffix meanings</li> <li>Spells multisyllabic words</li> <li>Recognize Greek parts and Latin roots</li> <li>Comprehension Skills:               <ul style="list-style-type: none"> <li>Identify characters in a story</li> <li>Distinguish between what is fact and what is an opinion</li> <li>Recognize the main idea of a narrative and its supporting details</li> <li>Locate broad statements or generalizations in a story</li> <li>Note the author's reason(s) for writing a selection</li> </ul> </li> </ul> | <p>Comprehension Strategies:</p> <ul style="list-style-type: none"> <li>Use senses to visualize what is being read</li> <li>Assesses prior knowledge to make connections between personal experiences or texts of similar genres</li> <li>Skim the text to set a purpose for reading</li> </ul>   |
| Mathematics    | <ul style="list-style-type: none"> <li>Build understanding of place value (thousandths to thousands)</li> <li>Develop fluency and flexibility with all whole number operations</li> <li>Develop problem solving strategies: mental computation, estimation, calculators, and computers</li> <li>Collect, organize &amp; display data to solve problems</li> </ul>  | <ul style="list-style-type: none"> <li>Uses algebraic expressions, patterns, &amp; one-step equations, &amp; inequalities</li> <li>Develop and test generalizations based on observations of identity, associative, and distributive properties for addition and multiplication</li> <li>Describe, extend, &amp; generalizes numeric &amp; geometric patterns</li> </ul>   | <ul style="list-style-type: none"> <li>Read, interpret, &amp; analyze tables &amp; graphs-stem-and leaf plots, bar, line, circle, pictographs &amp; histogram</li> <li>Solve problems using mean, range, &amp; mode</li> <li>Solve problems using perimeter, area, volume, and circumference</li> </ul>   |
| Science        | <ul style="list-style-type: none"> <li>Describe and compare several common ecosystems (communities of organisms and their interactions with the environment)</li> <li>Explain and evaluate some ways that human affect ecosystems</li> <li>Describe plant and animal cells and heredity-cell reproduction</li> <li>Explain how light is used-bending, lenses, mirrors, colors, and the spectrum</li> <li>Discuss how the flow of water and the slope affect erosion</li> <li>Investigate through experimentation</li> </ul>  | <ul style="list-style-type: none"> <li>Investigate and discuss the role of the water cycle and how movement of water helps shape landforms</li> <li>Discuss how the flow of water and the slope affect erosion</li> <li>Discuss geology-minerals, rock formation, earth composition forces, earthquakes</li> <li>Discuss and determine how the following are affected by predictable patterns of weather: temperature, wind direction and speed, precipitation, cloud cover, and air pressure</li> </ul>   | <ul style="list-style-type: none"> <li>Discuss and determine the influence of geography on weather and climate</li> <li>Determine the motion of an object by following and measuring its position over time</li> <li>Explain how energy is needed to make machines move</li> <li>Determine factors that affect motion</li> <li>Discover insects-classification, internal, structure, protection, and metamorphosis</li> </ul> |
| Social Studies | <ul style="list-style-type: none"> <li>North America's Land and Water</li> <li>Living in North America</li> <li>People and the Land</li> </ul>   | <ul style="list-style-type: none"> <li>Regions in North America</li> <li>People in North America</li> <li>Movement in North America</li> </ul>   | <ul style="list-style-type: none"> <li>Early People</li> <li>Americans Indians</li> </ul>   |

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