**Curriculum Kindergarten - 8th**

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| **Grade Level** | **Reading** | **Writing** | **Math** | **Science** | **SS** |
| **Kindergarten** | Letter Recognition  Sounds of Letters  Small Group  Read Alouds | Writing Sentences with Capital Letters  Using correct punctuation  Follows Superkids Curriculum :  \*Create and compose lists (use telling/doing words-seasonal words)  \*Create a word wall by labeling objects. (Move from words to phrases) | Counting and Cardinality  • Know number names and the count sequence.  • Count to tell the number of objects.  • Compare numbers.  Operations and Algebraic Thinking  • Understand addition as putting together and adding to, and understand subtraction as  taking apart and taking from.  Number and Operations in Base Ten  • Work with numbers 11–19 to gain foundations for place value.  Measurement and Data  • Describe and compare measurable attributes.  • Classify objects and count the number of objects in categories.  Geometry  • Identify and describe shapes.  • Analyze, compare, create, and compose shapes. | Dinosaurs, Seasons, Weather, Earth changes, Animals, Climates, Adaptations, Plants, Seeds | Town, State, Maps, Landforms, Community |

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| **Grade Level** | **Reading** | **Writing** | **Math** | **Science** | **SS** |
| **1st Grade** | Fluency  Phonemes  Sounds of Letters  Book Clubs  Decoding  Comprehension | \*Write a friendly letter  \*Follows Superkids  \*Go through the 5 steps of writing and use with each paper  a. prewriting  b. drafting  c. revising  d. editing  e. publishing  \*Journal writing  \*Compose a descriptive paragraph (topic sentence with 3 supporting sentences. | Operations and Algebraic Thinking  * Represent and solve problems involving addition and subtraction. * Understand and apply properties of operations and the relationship between addition and subtraction. * Add and subtract within 20. * Work with addition and subtraction equations.  Number and Operations in Base Ten  * Extend the counting sequence. * Understand place value. * Use place value understanding and properties of operations to add and subtract.  Measurement and Data  * Measure lengths indirectly and by iterating length units. * Tell and write time. * Represent and interpret data.  Geometry  * Reason with shapes and their attributes. | Scuba Divers, Refraction, Light, Colors, Seasons, Adaptations, Water cycle, States of matter, Living/ Non living things | Community, Culture, Past vs Present, Mapping Skills, Inquiry, Economy, Jobs |

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| **2nd Grade** | Decode/ Encode words  Use comprehension with Fiction  Use comprehension with Nonfiction ( Book clubs, Super Magazine, Read Aloud)  Comprehension: Details, Main Idea, Understanding Characters, Setting | Follows Super Kids Curriculum/ Response Journal  which includes  Go through the 5 steps of writing and use with each paper  a. prewriting  b. drafting  c. revising  d. editing  e. publishing  \*Journal writing | Operations and Algebraic Thinking  • Represent and solve problems involving addition and subtraction.  • Add and subtract within 20.  • Work with equal groups of objects to gain foundations for multiplication.  Number and Operations in Base Ten  • Understand place value.  • Use place value understanding and properties of operations to add and  subtract.  Measurement and Data  • Measure and estimate lengths in standard units.  • Relate addition and subtraction to length.  • Work with time and money.  • Represent and interpret data.  Geometry  • Reason with shapes and their attributes. | Plants, Animals, Water, States of Matter | Community, Citizenship, Maps |

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| **Grade Level** | **Reading** | **Writing** | **Math** | **Science** | **SS** |
| **3rd Grade** | Nonfiction text  Vocabulary  Main Idea  Finding Details  Character Studies  Changes from Beginning/ End  Fiction Text | Journal Writing  \*Lucy Calkins: Work with the 5 steps of writing   1. prewriting 2. drafting 3. revise 4. edit 5. publish   LC- Mini Lessons  \*Use transitions in all writing  LC- Mini Lessons  \*Compose a closing sentence to use in all writing. | Operations and Algebraic Thinking  • Represent and solve problems involving multiplication and division.  • Understand properties of multiplication and the relationship between  multiplication and division.  • Multiply and divide within 100.  • Solve problems involving the four operations, and identify and explain patterns  in arithmetic.  Number and Operations in Base Ten  • Use place value understanding and properties of operations to perform multi-  digit arithmetic.  Number and Operations—Fractions  • Develop understanding of fractions as numbers.  Measurement and Data  • Solve problems involving measurement and estimation of intervals of time,  liquid volumes, and masses of objects.  • Represent and interpret data.  • Geometric measurement: understand concepts of area and relate area to  multiplication and addition.  • Geometric measurement: recognize perimeter as an attribute of plane figures  and distinguish between linear and area measures.  Geometry  • Reason with shapes and their attributes. | Heredity, Animal survival, Invisible forces | Civics, Landforms, Bodies of Water, Migration, Culture |

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| **Grade Level** | **Reading** | **Writing** | **Math** | **Science** | **SS** |
| **4th Grade** | Nonfiction Text  Fiction Text  Main Idea  Character Traits  Plot  Details | Include 2 Journal Writings per week  \*Lucy Calkins: Work with the 5 steps of writing   1. prewriting 2. drafting 3. revise 4. edit 5. publish     LC- Mini Lessons  \*Use transitions in all writing | Operations and Algebraic Thinking  • Use the four operations with whole numbers to solve problems.  • Gain familiarity with factors and multiples.  • Generate and analyze patterns.  Operation Number and s in Base Ten  • Generalize place value understanding for multi-digit whole numbers.  • Use place value understanding and properties of operations to perform multi-  digit arithmetic.  Number and Operations—Fractions  • Extend understanding of fraction equivalence and ordering.  • Build fractions from unit fractions by applying and extending previous  understandings of operations on whole numbers.  • Understand decimal notation for fractions, and compare decimal fractions.  Measurement and Data  • Solve problems involving measurement and conversion of measurements from  a larger unit to a smaller unit.  • Represent and interpret data.  • Geometric measurement: understand concepts of angle and measure angles.  Geometry  • Draw and identify lines and angles, and classify shapes by properties of their  lines and angles. | Human machine, senses, bones, rock cycle, sound waves, energy - motion | Civics, Government Standards, Geography |

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| **Grade Level** | **Reading** | **Writing** | **Math** | **Science** | **SS** |
| **5th Grade** | Fiction Text  Non-Fiction Text  Main Idea  Themes  Inferring | Journal Writing  \*Lucy Calkins: Units of Study: Work with the 5 steps of writing   1. prewriting 2. drafting 3. revise 4. edit 5. publish   LC- Mini Lessons  \*Use transitions in all writing | Operations and Algebraic Thinking  • Write and interpret numerical expressions.  • Analyze patterns and relationships.  Number and Operations in Base Ten  • Understand the place value system.  • Perform operations with multi-digit whole numbers and with decimals to hundredths.  Number and Operations—Fractions  • Use equivalent fractions as a strategy to add and subtract fractions.  • Apply and extend previous understandings of multiplication and division to multiply and  divide fractions.  Measurement and Data  • Convert like measurement units within a given measurement system.  • Represent and interpret data.  • Geometric measurement: understand concepts of volume and relate volume to  multiplication and to addition.  Geometry  • Graph points on the coordinate plane to solve real-world and mathematical problems.  • Classify two-dimensional figures into categories based on their properties. | Food web, Water Cycle, Space, Muscular/ Skeletal Systems | Colonization, Revolutionary War, Constitution |

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| **Grade Level** | **Reading** | **Writing** | **Math** | **Science** | **SS** |
| **6th Grade** | Fiction Text  Nonfiction Text  Novel Studies  Central Idea  Message of story  Supporting Details  Analysis of all text / Comparison of text | Journal Writing  Quick Writes  \*Work with the 5 steps of writing   1. prewriting 2. drafting 3. revise 4. edit 5. publish   \*Use transitions in all writing  \*Compose friendly letter, introduction and closing paragraphs, descriptive, argumentative | Ratios and Proportional Relationships  • Understand ratio concepts and use ratio reasoning to solve problems.  The Number System  • Apply and extend previous understandings of multiplication and division to  divide fractions by fractions.  • Compute fluently with multi-digit numbers and find common factors and  multiples.  • Apply and extend previous understandings of numbers to the system of rational  numbers.  Expressions and Equations  • Apply and extend previous understandings of arithmetic to algebraic  expressions.  • Reason about and solve one-variable equations and inequalities.  • Represent and analyze quantitative relationships between dependent and  independent variables.  Geometry  • Solve real-world and mathematical problems involving area, surface area, and  volume.  Statistics and Probability  • Develop understanding of statistical variability.  • Summarize and describe distributions. | Earth Science , Labs, Periodic Table | Geography, Land, Climate, Regions USA |

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| **Grade Level** | **Reading** | **Writing** | **Math** | **Science** | **SS** |
| **7th Grade** | Fiction Text  Nonfiction Text  Analyzing  Critical Thinking  Comprehension (Blooms)  Understanding Empathy related to Characters  Using Open Ended Questions | Journal Writing  \*Work with the 5 steps of writing   1. prewriting 2. drafting 3. revise 4. edit 5. publish   \*Use transitions in all writing  \*Choose a brainstorming technique to use  \*Compose a narrative paper, descriptive, persuasive, short story, business letter  \*Peer editing | Ratios and Proportional Relationships  • Analyze proportional relationships and use them to solve real-world and mathematical  problems.  The Number System  • Apply and extend previous understandings of operations with fractions to add,  subtract, multiply, and divide rational numbers.  Expressions and Equations  • Use properties of operations to generate equivalent expressions.  • Solve real-life and mathematical problems using numerical and algebraic expressions and  equations.  Geometry  • Draw, construct and describe geometrical figures and describe the relationships between  them.  • Solve real-life and mathematical problems involving angle measure, area, surface area,  and volume.  Statistics and Probability  • Use random sampling to draw inferences about a population.  • Draw informal comparative inferences about two populations.  • Investigate chance processes and develop, use, and evaluate probability models. | Life Science, Human Body, Plants, Animals, Scientific Method, Labs | Economics, World Civilizations, Glaciers, Pangea, Early America, Democracy |

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| **Grade Level** | **Reading** | **Writing** | **Math** | **Science** | **SS** |
| **8th Grade** | Fiction Text  Nonfiction Text  Analyzing  Critical Thinking  Comprehension (Blooms)  Understanding Empathy related to Characters  Using Open Ended Questions | Journal Writing  \*Work with the 5 steps of writing   1. prewriting 2. drafting 3. revise 4. edit 5. publish   \*Use transitions in all writing  \*Choose a brainstorming technique to use  \*Compose an expository paper, research, descriptive, biographical narrative  \*Peer Editing | The Number System  • Know that there are numbers that are not rational, and approximate them by  rational numbers.  Expressions and Equations  • Work with radicals and integer exponents.  • Understand the connections between proportional relationships, lines, and  linear equations.  • Analyze and solve linear equations and pairs of simultaneous linear equations.  Functions  • Define, evaluate, and compare functions.  • Use functions to model relationships between quantities.  Geometry  • Understand congruence and similarity using physical models, transparencies,  or geometry software.  • Understand and apply the Pythagorean Theorem.  • Solve real-world and mathematical problems involving volume of cylinders, cones and  spheres.  Statistics and Probability  • Investigate patterns of association in bivariate data. | Physical Science, Scientific Method, Use of Microscopes, Waves, Periodic Table | US history before the Civil War, Developing Countries, Wars, Citizenship, Constitution, Economics, 1945-present history, Geography |