

Fourth Grade Yearly Plan – First Half of School Year

Week Number	1	2	3	4	5	6	7	8	9		10	11	12	13	14	15	16		17	18	19	20													
Date	Sept 6-9	Sept 12-16	Sept 19-23	Sept 26-30	Oct 3-7	Oct 11-14	Oct 17-21	Oct 24-28	Oct/Nov 31-4		Nov 9-11	Nov 14-18	Nov 21-23	Nov/Dec 28-2	Dec 5-9	Dec 12-16	Dec 19-22		Jan 3-6	Jan 9-13	Jan 17-20	Jan 23-26													
General Theme																																			
Math	<p>GEOMETRY Explore polygons. 4.14 -4.15 Investigate draw and identify points, lines, segments, rays, and angles. 4.16 identify intersecting, parallel and perpendicular lines 4.17 two and three dimensional figures, congruent and similar figures, symmetry. Slides, flips, and turns. 4.18 ordered pairs Perimeter and area, space figures.</p>					<p>PLACE VALUE 4.1 Exploration of place value, through millions. Comparing and ordering numbers through millions (<, >, =) Round whole numbers up to the nearest hundred thousand Problem solving, review and assessment.</p>					<p>ADDITION AND SUBTRACTION: Addition and subtraction facts 4.5 estimation of sums and differences. 4.6 Adding and subtracting two and three digit numbers. Adding and subtracting greater numbers, subtracting across zeros. Mental math strategies, making change, choose a computation method. MULTIPLICATION AND DIVISION Review multiplication and division facts and relation 4.7 find the product of two whole numbers when one factor has a two digits or fewer and the other has three digits are fewer. Estimation and calculators will be used for larger numbers 4.8 the student will estimate and find the quotient of two whole numbers given a one digit divisor 4.22 recognize and demonstrate equality using symbols, representing numbers operations and relations (e.g. $3+5 = 5+3$)</p>					<p>FRACTIONS AND DECIMALS 4.2 identify, model and compare fractions and mixed numbers using concrete objects and pictures, represent equivalent fractions, relate fractions to decimals</p>																			
Science	<p>Essential Learning Concept (SOL) Scientific Investigation, Reasoning, and Logic 4.1 The student will plan and conduct investigations in which a) distinctions are made among observations, conclusions, inferences, and predictions; b) hypotheses are formulated based on cause and effect relationships; c) variables that must be held constant in an experimental situation are defined; d) appropriate instruments are selected to measure linear distance, volume, mass, and temperature; e) appropriate metric measures are used to collect, record, & report data; f) data are displayed using bar and basic line graphs; g) numerical data that are contradictory or unusual in experimental results are recognized; and h) predictions are made based on data from picture graphs, bar graphs, and basic line graphs.</p> <p>Essential Learning Concept (SOL) Life Processes 4.4 The student will investigate and understand basic plant anatomy and life processes. Key concepts include a) the structures of typical plants (leaves, stems, roots, and flowers); b) processes and structures involved with reproduction (pollination, stamen, pistil, sepal, embryo, spore, and seed); c) photosynthesis (sunlight, chlorophyll, water, carbon dioxide, oxygen, and sugar); and d) dormancy.</p>										End of First Grading Period					<p>Essential Learning Concept (SOL) Weather will be taught throughout the year Interrelationships in Earth/Space Systems 4.6 The student will investigate and understand how weather conditions and phenomena occur and can be predicted. Key concepts include a) weather measurements and meteorological tools (air pressure-barometer, wind speed-anemometer, rainfall-rain gauge, and temperature-thermometer); and b) weather phenomena (fronts, clouds, and storms)</p> <p>Essential Learning Concept (SOL) Magnetism and Electricity 4.3 The student will investigate and understand the characteristics of electricity. Key concepts include a) conductors and insulators; b) basic circuits (open/closed, parallel/series); c) static electricity; d) the ability of electrical energy to be transformed into heat, light, and mechanical energy; e) simple electromagnets and magnetism: and f) historical contributions in understanding electricity.</p>										End - of - year -break					End of Second Grading Period				

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Social Studies	<p style="color: orange;">Geography, Civics and Economics</p> <p>Introduction of textbook and its use Review of map skills</p> <p>Virginia's Five Regions Tidewater, Piedmont, Blue Ridge, Ridge and Valley, and Appalachian Plateau Important landforms, crops, industries, cities, and rivers in each regions</p>										End of First Grading Period	<p style="color: orange;"> <ul style="list-style-type: none"> American Indians of Virginia- 3 language groups Powhatan Indian way of life Early colonization of Virginia Jamestown Settlement- interaction with Indians, arrival of Africans, formation of government Chief Powhatan, John Smith, John Rolfe, Pocohantas </p>						End - of - year -break	<p style="color: orange;"> <ul style="list-style-type: none"> Colonial life, money, slavery, immigrants, agriculture French and Indian War Trouble develops with Britain-taxes Revolutionary War Era 1754-1781 Declaration of Independence Roles played by Virginia and Virginians in war G. Washington, T.Jefferson </p>					<p style="color: orange;">A New Nation</p> <p>A plan for government –Constitutional Convention</p>				
Language	<p style="color: magenta;">Wordly Wise Vocabulary, DOL, Journal Entries, Read Aloud, Reading Responses, Spelling Rules, Jr. Great Books, Novel Sets, Literature Book, Oral Language, Cursive Writing. Integrate reading and writing skills in Social Studies throughout the year.</p> <p style="color: magenta;">Reading: Realistic Fiction review story elements (setting, characters, plot)</p> <p style="color: magenta;">Grammar: Nouns (singular, plural, possessive)</p> <p style="color: magenta;">Writing: Kinds of sentences.</p> <p style="color: magenta;">Capitalization and punctuation.</p>					<p style="color: magenta;">Reading: Historical Fiction. Elements of Historical Fiction. Fact and Fiction. Context Clues. Investigate key concepts.</p> <p style="color: magenta;">Grammar: Verbs (action, helping, linking, irregular)</p> <p style="color: magenta;">Writing: Paragraphs: writing process (plan, draft, edit, revise, edit)</p>					End of First Grading Period	<p style="color: magenta;">Reading: Mystery. Elements of a mystery, Prediction, Cause and Effect, compare and contrast characters, events, and settings.</p> <p style="color: magenta;">Grammar: Adjectives</p> <p style="color: magenta;">Writing: Kinds of Paragraphs. (narrative, expository, descriptive, persuasive)</p>						End - of - year -break						End of Second Grading Period				
Technology																												
Art																												
Music																												
P.E																												
Think Tank																												
Events																												