

2nd Grade: GCPS Core Curriculum Calendar for Scope and Sequence – 2010-2011

2 ND GRADE			1 st Quarter (First Nine Weeks)		
<p align="center">MATHEMATICS</p> <p>AKS 1-19 Ongoing</p> <p><u>Unit 1 Number Sense</u></p> <p>50 predict and extend repeating & growing patterns</p> <p>51 model and describe sets</p> <p>54 use boxes for missing numbers</p> <p><u>Unit 2 Place Value</u></p> <p>21 represent expanded form to connect symbols to quantities</p> <p>22 explain magnitude of number</p> <p>23 represent 2 and 3 digit numbers with drawings</p>	<p align="center">SCIENCE</p> <p>AKS 1-6 Ongoing</p> <p><u>Life Cycles, Plant Growth and Development</u></p> <p>13) investigate the life cycles of different organisms to understand the diversity of life</p> <p>13a) illustrate and describe the life cycle of common animals (cats, birds, frogs, butterflies)</p> <p>13b) relate seasonal changes to observations of how a tree changes throughout a school year</p> <p>13c) investigate the life cycle of a plant by growing one from a seed and recording changes over a period of time</p> <p>13d) investigate how variables such as temperature, light, water and nutrients affect the growth of plants</p> <p>13e) identify fungi (mushroom) as a living organism</p>	<p align="center">SOCIAL STUDIES</p> <p>AKS 1-17 Ongoing</p> <p><u>Before There Was a Georgia</u></p> <p>18 locate major topographical features of Georgia on a map</p> <p>19 analyze how the topographical features define Georgia's surface</p> <p><u>Georgia's Beginnings</u></p> <p>20 read about and describe the lives of historical figures in Georgia history</p> <p>21 describe the cultural and geographic systems associated with James Oglethorpe, Tomochichi and Mary Musgrove</p> <p>22 define the concept of government and the need for rules and laws as demonstrated by Oglethorpe, Tomochichi and Musgrove</p> <p>23 compare and contrast how Oglethorpe, Tomochichi and Musgrove demonstrated the positive citizenship traits of honesty, dependability, liberty, trustworthiness, honor, civility, good sportsmanship, patience and compassion</p> <p><i>Note: Indicators of Achievement are taught with all AKS</i></p>			
LANGUAGE ARTS					
<p align="center"><i>Genre: Narrative/Poetry</i></p> <p><u>Listening/Speaking/Viewing:</u></p> <p>1 communicate effectively using descriptive language</p> <p>2 speak formally with complex patterns/sentence structures</p> <p>4 listen/respond to literal questions</p> <p>6 listen/ view media</p> <p><u>Reading:</u></p> <p>9 recognize the basic elements of a variety of genres</p> <p>10 read grade level text orally with accuracy, appropriate speed, and expression at a target rate of 90 words correct per minute</p> <p>14 predict based on title, illustrations, content</p> <p>22 identify beginning, middle, and end</p> <p>25 recognize the author's purpose: entertain</p> <p>27 make connections between texts/personal experiences</p> <p><u>Word Study:</u></p> <p>42 read words that contain vowel diphthongs (<i>au, aw, oi, ou, oy</i>)</p> <p>45 read words that contain controlled vowel sounds (<i>al, all</i>)</p>			<p><u>Writing :</u></p> <p>42 write words containing blends/diagraphs</p> <p>50 verbs (regular, irregular)</p> <p>52 distinguish between <i>declarative</i> and <i>interrogative</i> sentences</p> <p>65 Prewrites/drafts/revises/edits/publishes</p> <p align="center"><i>Genre: Personal Narrative</i></p> <p>76 capture a reader's interest</p> <p>78 develop characters and setting using sensory details</p> <p align="center"><i>Genre: Poetry</i></p> <p><u>Reference/Study Skills:</u></p> <p>92 identify publisher, publication date</p>		

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2 ND GRADE			2 nd Quarter (Second Nine Weeks)		
MATHEMATICS		SCIENCE		SOCIAL STUDIES	
<p><u>Unit 3 Data Analysis</u> 56 create pictographs and Venn diagrams 57 analyze tables, tally charts, Venn diagrams, picture graphs, and bar graphs with scale increments of 1, 2, and 5</p> <p><u>Unit 4 Time/Temp</u> 47 tell time to five minutes 48 estimate and measure temperature 49 explore Celsius</p> <p><u>Unit 5 Fractions</u> 35 model and compare thirds, sixths, eighths, tenths 36 model 1 as a fraction</p> <p><u>Unit 6 Measurement</u> 43 explain standard units 44 compare relationships of units 45 estimate lengths 46 determine appropriate tool</p>		<p><u>Matter</u> 10) investigate the properties of matter and changes that occur in objects 10a) identify three states of matter (solid, liquid, gas) and sort materials according to their state 10b) compare and contrast the different properties of matter 10c) recognize and compare physical properties of objects (weight, size, buoyancy) 10d) recognize variables that change matter (mixing, heating, freezing, cutting, wetting, dissolving, bending, exposing to light) 10e) recognize chemical changes in matter (burning paper, toasting bread) 10f) Extension: describe changes involved in making/cooking a familiar snack (Jell-O, pudding, popcorn, ice cream, snow cones)</p>		<p><u>Native Georgians</u> 24 read about and describe the lives of the Creek and Cherokee in Georgia history 25 describe the Georgia Creek and Cherokee cultures of the past in terms of tools, clothing, homes, ways of making a living and accomplishments 26 describe the cultural and geographic systems associated with Sequoyah and Georgia's Creeks and Cherokees 27 define the concept of government and the need for rules and laws as demonstrated by Georgia's Creek and Cherokee cultures</p> <p align="right"><i>Note: Indicators of Achievement are taught with all AKS</i></p>	
LANGUAGE ARTS					
Genre: Narrative					
<p><u>Listening/Speaking/Viewing:</u> 4 listen/respond to <i>inferential</i> questions 5 determine the meaning of a word presented orally</p> <p><u>Reading:</u> 20 identify characters, actions, motives, emotions, and traits 21 retell: plot, setting, characters 23 summarize</p> <p><u>Word Study:</u> 36 use knowledge of Greek and Latin roots to read new words and determine their meanings (bi-,pre-, -ful) 37 identify/use homophones-homographs 43 regular plurals, irregular plurals, possessives 44 irregular vowel patterns 46 silent letters</p>			<p><u>Writing</u> 50 linking verbs 52 distinguish between <i>exclamatory</i> and <i>imperative</i> sentences 56 colons between numbers in time 57 begin to use quotation marks 73 include the appropriate purpose, expectations, and length for the audience/genre 74 use organizational structures (beginning, middle, end; sequence) and strategies (transitional words, time cues) 75 develop closure 2010-2 <i>distinguish between simple subjects and predicates</i> Genre: Personal Narrative 79 begin to develop characters through action/dialogue Genre: Response to Literature 69 friendly letters(date, greeting, body, closing) 86 state an opinion 87 express/support opinion 88 make connections 89 use organizational structures <u>Reference/Study Skills:</u> 90 alphabetize to second letter</p>		

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2 ND GRADE			3 rd Quarter (Third Nine Weeks)		
MATHEMATICS		SCIENCE		SOCIAL STUDIES	
<p><u>Unit 7 Addition/Subtraction</u> 24 count back change 25 +/- with coins 27 +/- 2 and 3 digit numbers 28 use inverse operations 29 use mental math to solve problems 30 estimate for reasonable solutions 52 use basic properties of addition 53 use expressions: >, <, =</p> <p><u>Unit 8 Geometry</u> 37 evaluate basic & compound shapes 38 describe and classify 2D figures by vertices, edges, and angles(right, obtuse, acute) 39 describe and classify 3D figures by vertices, edges, and angles 40 recognize faces of geometric solids 41 identify right, obtuse, acute angles 42 describe attribute changes as 2D and 3D shapes are rearranged</p>		<p><u>Astronomy</u> 7) describe the universe as including the moon, sun, other stars and planets 7a) describe the physical attributes of stars (size, brightness and patterns) 7b) identify gravity as the force that pulls objects towards the center of the earth and as a force that exists between the earth and the moon and the earth and other planets 8) investigate the position of the sun and moon to show patterns throughout the year 8a) compare how the sky is different at various times of the year 8b) investigate the position of the sun in relation to a fixed object on Earth at various times of the day 8c) determine how shadows change through the day by making a shadow stick or using a sun dial 8d) relate the length of the day and night to the change in seasons (days are longer than nights in the summer) 8e) use observations and charts to record the shape of the moon for a period of time</p>		<p><u>Civil Rights</u> 28 read about and describe the lives of historical figures Martin Luther King, Jr. and Jackie Robinson 29 describe the cultural and geographic systems associated with Martin Luther King, Jr. and Jackie Robinson 30 define the concept of government and the need for rules and laws as demonstrated by Martin Luther King, Jr. and Jackie Robinson 31 cite examples of how Martin Luther King, Jr. and Jackie Robinson demonstrated the positive citizenship traits of honesty, dependability, liberty, trustworthiness, honor, civility, good sportsmanship, patience and compassion <i>Note: Indicators of Achievement are taught with all AKS</i></p>	
LANGUAGE ARTS					
<p><i>Genre: Nonfiction</i> <u>Listening/Speaking/Viewing:</u> 4 listen/respond to evaluative questions</p> <p><u>Reading:</u> 15 identify explicit facts/infer implicit facts 16 identify/infer main idea/details 17 identify/infer cause-effect 24 follow multi-step directions 25 recognize the author's purpose to <i>inform</i> 40 determine meaning based on context 47 use thesaurus</p> <p><u>Word Study:</u> 36 use knowledge of Greek and Latin roots to read new words and determine their meanings (co, port)</p>			<p><u>Writing</u> 51 write consistently in complete sentences with correct subject/verb agreement 53 simple/compound sentences 55 use conjunctions 68 uses traditional organizational patterns for conveying information <i>Genre: Informational</i> 60 explore the indentation/ double-spacing 71 begin to create graphic features (charts, tables, graphs) 80 add facts/details 81 use graphic features (charts, tables, graphs) 82 use variety of resources (encyclopedia, Internet, books) <i>Genre: Narrative</i></p> <p><u>Reference/Study Skills:</u> 93 use glossary, index, guide words, appendix</p>		

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2ND GRADE		4th Quarter (Fourth Nine Weeks)	
<p align="center">MATHEMATICS</p> <p><u>Unit 9 Multiplication</u> 31 model multiplication 32 multiply 1 digit numbers 33 use multiplication grid for product 34 divide large collections 55 represent problem solving (+,-,x)</p> <p>CRCT Testing Preview 3rd grade</p>	<p align="center">SCIENCE</p> <p><u>Energy (Light & Heat)</u> 11) identify sources of energy and how energy is used 11a) identify sources of light energy, heat energy and energy of motion 11b) describe how light, heat and motion energy are used</p> <p><u>Force and Motion</u> 12) demonstrate changes in speed and direction using pushes and pulls 12a) demonstrate how pushing and pulling an object affects the motion of the object 12b) demonstrate the effects of speed changes on an object 12c) predict what happens to an object when no external force acts on it 12d) predict what happens to the speed and direction of an object when force is applied</p> <p><u>Environmental Changes</u> 9) observe and record changes in our surroundings and infer the causes of those changes 9a) recognize effects that occur in a specific area caused by weather, plants, animals and/or people</p> <p><u>Extensions/Previewing</u> Schools can choose to use this time to either extend content covered previously or begin to preview (or pre-teach) the subsequent course. Materials for previewing are available on the GCPS Science website (http://gwinnettk12online.net/).</p>	<p align="center">SOCIAL STUDIES</p> <p><u>Human Rights</u> 32 read about and describe the life of Jimmy Carter 33 describe the cultural and geographic systems associated with Jimmy Carter 34 define the concept of government and the need for rules and laws 35 identify the roles of elected officials 36 analyze how Jimmy Carter demonstrated the positive citizenship traits of honesty, dependability, liberty, trustworthiness, honor, civility, good sportsmanship, patience and compassion 37 demonstrate knowledge of the state and national capitol buildings by identifying them from pictures (Washington, D. C. and Atlanta) and by locating them on appropriate maps 38 identify and name characteristics specific to Georgia 39 model proper flag etiquette including handling, display and disposal of the American flag 40 explain the significance of the stars, stripes and colors of the American flag</p> <p><u>Personal Finance</u> 41 describe the costs and benefits of personal spending and saving choices 42 explain that because of scarcity, people must make choices and incur opportunity costs 43 identify ways in which goods and services are allocated (by price; majority rule; contests; force; sharing; lottery; command; first-come, first served; and personal characteristics) 44 explain that people usually use money to obtain goods and services 45 explain how money makes trade easier than barter <i>Note: Indicators of Achievement are taught with all AKS</i></p>	
LANGUAGE ARTS			
<p align="center">Genre: Fables/Folktales/Persuasive</p> <p><u>Reading:</u> 25 recognize the author's purpose to <i>persuade</i></p> <p><u>Word Study:</u> 36 use knowledge of Greek and Latin roots to read new words and determine their meanings (-less, therm)</p>	<p><u>Writing:</u> 54 use complex sentence patterns 62 begin to write with upper and lower case cursive letters 63 apply learned phonics skills and use common resources to spell correctly</p> <p align="center">Genre: Persuasive</p> <p>83 state a clear position/opinion 84 add supportive details 85 use appropriate formats (letter, lists pros/cons, advertisement)</p> <p align="center">Genre: Imaginative Writing</p> <p>77 begin to write fantasy/imaginary stories</p>		