

**Elementary Curriculum at a Glance
Woodbury Public Schools
2010-2011**

	Literacy	Math	Science	Social Studies
PreK	<p style="text-align: center;"><i>Creative Curriculum</i> Focal Points:</p> <ul style="list-style-type: none"> • <u>Increased Vocabulary & Language:</u> Acquire new words and use them to communicate • <u>Phonological Awareness:</u> Hear and discriminate between the separate sounds of spoken words; recognize words that sound the same and words that sound different • <u>Knowledge of Print:</u> Learn how print works • <u>Letters & Words:</u> Identify and write some letters and words • <u>Comprehension:</u> Understand and follow what is going on in a book, story, or conversation • <u>Understanding Books & Other Texts:</u> Learn how to use a book and the purpose of books; gain a sense of story; learn about the uses of other texts such as signs, menus, magazines, newspapers, etc. • <u>Literacy as a Source of Enjoyment:</u> Enjoy being read to, reading, and writing 	<p style="text-align: center;"><i>Creative Curriculum & Everyday Mathematics</i> Focal Points:</p> <ul style="list-style-type: none"> • <u>Number Concepts:</u> Understanding numbers, ways of representing numbers, and relationships between numbers • <u>Patterns & Relationships:</u> Recognize, copy, extend patterns; make predictions about patterns in the environment • <u>Geometry & Spatial Sense:</u> Recognize, name, build, draw, describe, compare, and sort two- and three-dimensional shapes; recognize and describe spatial relationships • <u>Measurement:</u> Use non-standard units to measure and make comparisons • <u>Data Collection, Organization, & Representation:</u> Pose questions to investigate, organize responses, and create representations of data • <u>Money:</u> Recognizing differences in the size and markings of coins and in learning to use coins as a means of exchange • <u>Clocks & Calendars:</u> Concepts of telling time and measuring time duration within the framework of calendars and clocks 	<p style="text-align: center;"><i>Creative Curriculum</i> Focal Points:</p> <ul style="list-style-type: none"> • <u>Physical Science:</u> Explore the physical properties of the world by observing and manipulating common objects and materials in the environment • <u>Life Science:</u> Explore living things, their life cycles, and their habitats • <u>Earth & the Environment:</u> Explore the properties of the world around us, notice changes, and make predictions 	<p style="text-align: center;"><i>Creative Curriculum</i> Focal Points:</p> <ul style="list-style-type: none"> • <u>Spaces & Geography:</u> Learn about the physical world around us and how we move about the world • <u>People & How They Live:</u> Recognize and respect likenesses and differences in people; recognize how people rely on each other for goods and services; learn social skills; understand the need for rules • <u>People & the Environment:</u> Learn how people affect the environment by changing it and protecting it • <u>People & the Past:</u> Learn how things and people change over time

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K	<p><u>Houghton Mifflin Reading</u> Focal Points:</p> <ul style="list-style-type: none"> • Concepts of print • Phonemic awareness • Phonics • High frequency words • Comprehension skills and strategies • Word work (spelling/vocabulary) • Writing process • Writing skills <p><u>Lindamood</u></p>	<p><u>Everyday Math</u> Focal Points:</p> <ul style="list-style-type: none"> • <u>Numbers and Numeration</u>: write numbers, observe emerging number patterns; exposure to and review of ordinal numbers and placement terminology. • <u>Operations and Computation</u>: develop meanings for operations and problem solving skills; find the missing addend • <u>Patterns, Functions and Algebra</u>: identify an object using its attributes; identify and generate numbers that follow a function rule • <u>Geometry</u>: look for symmetry, find triangles and quadrilaterals; describing shapes and space • <u>Measurement and Reference Frames</u>: experience with volume; read analog and digital clock times, develop sense of hour's duration; ordering objects by measurable attributes • <u>Data and Chance</u>: make a bar graph, discuss outcomes; make a Venn Diagram 	<p><u>Scott Foresman Science</u> Focal Points:</p> <ul style="list-style-type: none"> • Living & Non-living Things (<u>Life Science</u>; Chapters 1-3) • Wind & Weather (<u>Earth Science</u>; Chapters 4-5) • Matter (<u>Physical Science</u>; Chapters 6-8) <p><u>Other resources used to teach:</u> Five Senses, Insects, Health & Safety</p>	<p>Focal Points:</p> <ul style="list-style-type: none"> • Classroom rules • Holidays • Family • Celebrating Cultural Diversity • Character Education

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1	<p><u>Houghton Mifflin Reading</u> Focal Points:</p> <ul style="list-style-type: none"> • Concepts of print • Phonemic awareness • Phonics • High frequency words • Comprehension skills and strategies • Word work (spelling/vocabulary) • Writing process • Writing skills • Modes of writing • Language: grammar, usage, and mechanics <p><u>Scholastic Guided Reading</u></p>	<p><u>Everyday Math</u> Focal Points:</p> <ul style="list-style-type: none"> • <u>Numbers and Numeration:</u> exploring fraction concepts; base-10 block structure counting; fraction readiness using pattern block equivalencies • <u>Operations and Computation:</u> create and solve number stories; generate fact families for Extended Fact Triangles; readiness for learning basic addition and subtraction facts • <u>Patterns, Functions and Algebra:</u> use Number Grid to count up and back by ones; find differences; solve number grid puzzles • <u>Geometry:</u> make shapes and designs on geoboards, and then record on dot paper; review characteristics of 3-D shapes • <u>Measurement and Reference Frames:</u> tell time to the quarter hour; measure to the nearest inch • <u>Data and Chance:</u> collect, order, record, and display data; explore equal chance events and predict outcomes 	<p><u>Scott Foresman Science</u> Focal Points:</p> <ul style="list-style-type: none"> • <u>Life Science;</u> Chapters 1-5 • <u>Earth Science</u> Chapter 7, Lesson 4, Seasons • <u>Physical Science;</u> Chapter 10, Lesson 1, Heat • <u>Space & Technology;</u> Chapter 12, Lesson 5, Simple Machines 	<p>Focal Points:</p> <ul style="list-style-type: none"> • Character Education • Holidays • All About Me

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2	<p><i>Houghton Mifflin Reading</i> Focal Point:</p> <ul style="list-style-type: none"> • Phonemic awareness • Phonics • High frequency words • Comprehension skills and strategies • Word work (spelling/vocabulary) • Writing process • Writing skills • Modes of writing • Language: grammar, usage, and mechanics • Information/study skills • Test-taking skills <p><i>Scholastic Guided Reading</i></p>	<p><i>Everyday Math</i> Focal Points:</p> <ul style="list-style-type: none"> • <u>Number & Operations:</u> developing an understanding of the base-ten numeration system and place value concepts, identify equivalent fractions, name fractional parts • <u>Operations and Computation:</u> develop fact power, solve addition and subtraction number stories, solve comparison number stories, use comparison diagrams and write number models • <u>Patterns, Functions and Algebra:</u> find and use rules for number patterns, write number models with three addends • <u>Geometry:</u> develop readiness for classifying geometric shapes, sorting attribute blocks by size, color and shape, measure perimeters of polygons • <u>Measurement and Reference Frames:</u> developing an understanding of linear measurement and facility in measuring lengths, compare weights of different objects, tell and show time to nearest five minutes • <u>Data and Chance:</u> collect, order, record, and display data, find median, mode, range, maximum and minimum 	<p><i>Scott Foresman Science</i> Focal Points:</p> <ul style="list-style-type: none"> • Living Things (<u>Life Science</u>; Chapters 3 & 4) MP 1 & MP 2 • Earth, Fossils & Dinosaurs (<u>Earth Science</u>; Chapters 5 & 7) MP 3 • Forces & Motion (<u>Physical Science</u>; Chapter 10) MP 4 • Technology in our World (<u>Space & Technology</u>; Chapter 12) MP 4 	<p>Focal Points:</p> <ul style="list-style-type: none"> • Community • Responsibilities • Rules & Laws • Multiculturalism • Comparing past and present
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3	<p><i>Houghton Mifflin Reading</i> Focal Points:</p> <ul style="list-style-type: none"> • Phonics • Comprehension skills and strategies • Word work (spelling/vocabulary) • Writing process • Writing skills • Modes of writing • Language: grammar, usage, and mechanics • Information/study skills • Test-taking skills <p><i>Scholastic Guided Reading</i></p>	<p><i>Everyday Math</i> Focal Points:</p> <ul style="list-style-type: none"> • <u>Numbers and Numeration</u>: model and name fractions and mixed numbers; develop understanding of fraction equivalence; extend decimal notation to the tenths and hundredths • <u>Operations and Computation</u>: solve number stories involving two or more concepts; explore different multiplication methods; use division to solve equal sharing and equal grouping • <u>Patterns, Functions and Algebra</u>: classify, solve problems, and play games with attribute pieces • <u>Geometry</u>: Introduce and explore center, circumference and diameter of circles/circular objects; review symmetry, meaning and properties and lines of symmetry; describe and analyze properties of 2-dimensional shapes • <u>Measurement and Reference Frames</u>: measure circumference and diameter of circular objects; investigate relationship between area and lengths of sides in rectangles and squares using geoboards • <u>Data and Chance</u>: plot sunrise/sunset data; make line graph of length of days; find median, mode, mean, maximum, minimum and range 	<p><i>Scott Foresman Science</i> Focal Points:</p> <ul style="list-style-type: none"> • Energy, Sound (<u>Physical Science</u>; Chapters 13-14) MP 4 • Plants (<u>Life Science</u>; Chapters 3-4) MP 1 • Water, Weather (<u>Earth Science</u>; Chapters 5-6, 9) MP 3 • Science in Our Lives (<u>Science & Technology</u>; Chapter 17) MP 2 	<p>Focal Points:</p> <ul style="list-style-type: none"> • Community • Citizenship • Levels of Government • Maps • Natural Resources

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4	<p><u>Houghton Mifflin Reading</u> Focal points:</p> <ul style="list-style-type: none"> • Phonics • Comprehension skills and strategies • Word work (spelling/vocabulary) • Writing process • Writing skills • Modes of writing • Language: grammar, usage and mechanics • Information/study skills • Test-taking skills <p><u>Scholastic Guided Reading</u></p>	<p><u>Everyday Math</u> Focal Points:</p> <ul style="list-style-type: none"> • <u>Numbers and Numeration</u>: Review order of magnitude relationships among place values; identify equivalent fractions; name fractional parts • <u>Operations and Computation</u>: develop fact power, solve subtraction number stories; solve comparison number stories, use comparison diagrams and write number models; review multi-digit addition and subtraction, solve multi-digit multiplication and division problems • <u>Patterns, Functions and Algebra</u>: find and use rules for number patterns; write number models with three addends • <u>Geometry</u>: Develop readiness for classifying geometric shapes by sorting attribute blocks by size, color and shape; measure perimeters of polygons • <u>Measurement and Reference Frames</u>: compare weights of different objects by using a pan balance; tell and show time to nearest five minutes • <u>Data and Chance</u>: collect, order, record and display data; find median, mode, range, maximum, and minimum 	<p><u>Scott Foresman Science</u> Focal Points:</p> <ul style="list-style-type: none"> • <u>Systems of the Human Body (Life Science; Chapter 5) MP 2</u> • <u>Changes to Earth's Surface, Minerals & Rocks (Earth Science; Chapters 8-9) MP 3</u> • <u>Solar System (Space & Technology; Chapters 17-18) MP 1</u> • <u>Sound & Light (Physical Science; Chapter 14) MP 4</u> 	<p>Focal Points:</p> <ul style="list-style-type: none"> • NJ (history, regions, Native Americans) • Explorers

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5	<p><i>Houghton Mifflin <u>Reading</u></i> Focal Points:</p> <ul style="list-style-type: none"> • Phonics • Comprehension skills and strategies • Word work (spelling/vocabulary) • Writing process • Writing skills • Modes of writing • Language: grammar, usage, and mechanics • Information/ study skills • Test-taking skills <p><i>Scholastic Guided Reading</i></p>	<p><i>Everyday Math</i> Focal Points:</p> <ul style="list-style-type: none"> • <u>Numbers and Numeration</u>: Identify and explore properties of square numbers; introduce a scientific notation; convert to standard to standard number-and-word notation • <u>Operations and Computation</u>: estimate and calculate the answers to multi-digit and decimal addition, subtraction, multiplication, and division problems • <u>Patterns, Functions and Algebra</u>: sort geometric shapes according to attributes and solve attribute puzzles; introduce, write and solve algebraic expressions • <u>Geometry</u>: construct and copy figures using a compass and straight edge; sort, describe, and compare solids using standard solid geometry language • <u>Measurement and Reference Frames</u>: use the rectangle method for finding the area of triangles and parallelograms; measure to find the sum of the angles in a polygon • <u>Data and Chance</u>: use ratios to examine trends in data; interpret data; line plot, stem-and-leaf plot, frequency table 	<p><i>Scott Foresman <u>Science</u></i> Focal Points:</p> <ul style="list-style-type: none"> • Cells to Systems (<u>Life Science</u>; Chapter 2) MP 4 • Protecting Earth's Resources (<u>Earth Science</u>; Chapter 10) MP 4 • Matter, Forces, Changing Forms of Energy, Electricity (<u>Physical Science</u>; Chapters 13 &15) MP 2 	<p>Focal Points:</p> <ul style="list-style-type: none"> • Maps • US Government • Revolutionary War • Civil Rights & Slavery • Western Expansion

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RESOURCES				
Texts & Resources	<p><u>Primary:</u> Houghton Mifflin Reading 2008</p> <p><u>Supplemental:</u> Scholastic GR Benchmark</p> <p>Time allocation: 120 minutes daily (see below)</p>	<p><i>Everyday Mathematics</i> Wright Group McGraw-Hill, 2004</p> <p><i>Curriculum Focal Points & Connections</i> (NCTM, 2006) http://www.nctm.org/standards/content.aspx?id=270</p> <p><u>Supplemental</u> <i>Touch Math</i> Innovative Learning Concepts, Inc., 2005</p> <p>Time allocation: 80 minutes daily (see below)</p>	<p><i>Science (NJ edition)</i> Scott Foresman 2008</p> <p>Time allocation: 40 minutes a day, 4 days per week (science or social studies) (see below)</p>	<ul style="list-style-type: none"> • <i>Primary Place (2nd Grade)</i> Silver Burdett Ginn, 1995 • <i>Comparing Communities (3rd Grade)</i> Silver Burdett Ginn, 1995 • <i>The New Jersey Adventure (4th Grade)</i> Gibbs Smith, 2000 • <i>New Jersey USA (5th Grade)</i> Silver Burdett Ginn, 1996 • <i>Our Country (5th Grade)</i> Silver Burdett Ginn, 1995 • Holocaust mandate addressed in all grades <p>Time allocation: 40 minutes a day, 4 days per week (science or social studies) (see below)</p>

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Time Allocation Notes:

- Language Arts consists of Reading, Writing, and Spelling
- Time does not necessarily represent consecutive minutes of study in a given subject.
- Specific subjects may occur in several small chunks throughout the day as well as one “formal” session. For example: Opening daily activities, DEAR time, and other like activities may contribute time toward a given subject.
- EXCEPTION: Kindergarten defined time expectations will be half of the above minutes. Obviously, the balance of the time in the classroom will often incorporate a variety of activities that engage students in one or more of the subject disciplines noted.

Science/Social Studies Clarifications:

- a. These two subjects are to be given equal weight in terms of time allocation throughout the year.
- b. 40 minutes daily; 4 days/week
- c. Science and Social Studies may be taught by alternating subjects unit by unit or each subject may be taught for a full marking period