

	Reading - Direct Instruction	Mathematics - Saxon	Science - Core Knowledge	History - Core Knowledge
August/ September	Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills Deductions Sentence analysis Punctuation Editing Paragraph writing	1) Reads and writes numbers to one thousand. 2) Counts money 3) Writes money amounts using \$ and ¢ 4) Rounds numbers to the nearest ten. Even and odd numbers 5) Multiples 6) Sums, products and differences 7) Commutative and associative properties 8) Masters basic addition facts 9) Mental computation 10) Adds three or more single digit numbers 11) Adds whole number and money amounts 12) Identifies and writes fractions as part of a whole 13) Compares and orders fractions 14) Uses comparison symbols (<, > and =) 15) Horizontal, vertical, oblique, parallel, interesting and perpendicular line segments 16) Symmetry 17) Equivalent units of time 18) Circumference of a circle 19) Graphs -data on a bar graph 20) Conducts a survey	<i>Classification of Animals</i> <ul style="list-style-type: none"> • Classification • Characteristics of vertebrates and invertebrates • Characteristics of amphibians and reptiles • <u>The Salamander's Room</u> • Birds 	<i>Geography Review and Land Formations</i> <ul style="list-style-type: none"> • Measurement and Bar scale • The seven continents • <u>My Place in Space</u> • Land forms and bodies of water • Exploration routes • Knowledge of own geographical location
October	Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills	1) Reads and writes numbers to one thousand. 2) Counts money 3) Writes money amounts using \$ and ¢ 4) Rounds numbers to the nearest ten. Even and odd numbers 5) Multiples	<i>Classification of Animals</i> <ul style="list-style-type: none"> • Classification • Characteristics of vertebrates and invertebrates • Characteristics of amphibians and reptiles • <u>The Salamander's Room</u> • Birds 	<i>Important Rivers and U.S. Geography</i> <ul style="list-style-type: none"> • Parts of a river • Rivers of the U.S. • Rivers of World • Steamboats and river transportation • Geography of the Northwest

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	Deductions Sentence analysis Punctuation Editing Paragraph writing	6) Sums, products and differences 7) Commutative and associative properties 8) Masters basic addition facts 9) Mental computation 10) Adds three or more single digit numbers 11) Adds whole number and money amounts 12) Identifies and writes fractions as part of a whole 13) Compares and orders fractions 14) Uses comparison symbols (<,>and =) 15) Horizontal, vertical, oblique, parallel, interesting and perpendicular line segments 16) Symmetry 17) Equivalent units of time 18) Circumference of a circle 19) Graphs -data on a bar graph 20) Conducts a survey		<ul style="list-style-type: none"> • Geography of the Southwest • Geography of the Plains
November	Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing	1) Reads and writes numbers to one thousand. 2) Counts money 3) Writes money amounts using \$ and ¢ 4) Rounds numbers to the nearest ten. Even and odd numbers 5) Multiples 6) Sums, products and differences 7) Commutative and associative properties 8) Masters basic addition facts 9) Mental computation 10) Adds three or more single digit numbers 11) Adds whole number and money amounts 12) Identifies and writes fractions as part of a whole	<i>Bones and Muscles in the Human Body/Five Senses</i> <ul style="list-style-type: none"> • Names and locations of bones in the human body • Types of joints • Five senses 	<i>Ancient Rome/Roman Empire</i> <ul style="list-style-type: none"> • Areas controlled by Roman Empire before and after the Punic War • Pompeii • Family history • Julius Caesar • Inventions or discoveries made by Ancient Romans

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		13) Compares and orders fractions 14) Uses comparison symbols (<,>and =) 15) Horizontal, vertical, oblique, parallel, interesting and perpendicular line segments 16) Symmetry 17) Equivalent units of time 18) Circumference of a circle 19) Graphs -data on a bar graph 20) Conducts a survey		
December	Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing	Continue previous skills 1) Reads and writes numbers to one billion 2) Rounds to the nearest hundred 3) Identifies place value in number to 100,000,000 4) Identifies quotient, dividend and divisor 5) Masters basic subtraction facts 6) Mental computation. 7) Estimates a sum 8) Adds and subtracts whole number and money amounts 9) Multiplies by 10, 100, 1,000 and 10,000. 10) Masters division facts 11) Compares and orders fractions 12) Identifies equivalent fractions 13) Draws and locates point on a number line 14) Geometry <ul style="list-style-type: none"> • Polygons • Congruent line segments and shapes • Transformations: translations, rotations, and reflections 15) Measurement	<i>The Brain and the Nervous System</i> <ul style="list-style-type: none"> • Structure and functions of the brain • Parts of the brain • Neurons and the nervous system • Parts of the eye 	<i>Ancient Roman Gods and Goddesses</i> <ul style="list-style-type: none"> • Attributes of Roman Gods and Goddesses • Myths and stories about Roman Gods and Goddesses • Roman Gods and Goddesses and life during Ancient Roman times <i>Mediterranean Region</i> <ul style="list-style-type: none"> • Life during Ancient Roman times • Geography of Greece, Italy, Spain, France and the Mediterranean Sea • Pascal • Life in Madrid

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		<ul style="list-style-type: none"> • Tells time to the nearest quarter hour • Elapse time • U.S. time zones • Fahrenheit and Celsius • Mass • Measures the area of a rectangle 16) Graphing <ul style="list-style-type: none"> • Venn diagrams • Writes observations from a graph 		
January	Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing	<i>Continue previous skills</i> 1) Reads and writes numbers to one billion 2) Rounds to the nearest hundred 3) Identifies place value in number to 100,000,000 4) Identifies quotient, dividend and divisor 5) Masters basic subtraction facts 6) Mental computation. 7) Estimates a sum 8) Adds and subtracts whole number and money amounts 9) Multiplies by 10, 100, 1,000 and 10,000. 10) Masters division facts 11) Compares and orders fractions 12) Identifies equivalent fractions 13) Draws and locates point on a number line 14) Geometry <ul style="list-style-type: none"> • Polygons • Congruent line segments and shapes • Transformations: translations, rotations, and reflections 15) Measurement	<i>The Brain and the Nervous System (continued)</i> <i>Vision and Optics</i> <ul style="list-style-type: none"> • Light – high speed travels in straight lines • Colors • Perception • Shadows and perspective • Transparent/opaque objects • Reflection • Spectrum – white light is made up of color • Lenses – magnifying/blending light 	<i>Geography of the Northeast Vikings, Exploration, and Settlement</i> <ul style="list-style-type: none"> • Exploration by the Vikings (where, when, how, why) • Eric the Red and Leif Ericson • Reasons for early exploration • Routes taken by explorers • Origin in Scandinavia • Locations of Greenland, Canada, Newfoundland

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		<ul style="list-style-type: none"> • Tells time to the nearest quarter hour • Elapse time • U.S. time zones • Fahrenheit and Celsius • Mass • Measures the area of a rectangle 16) Graphing <ul style="list-style-type: none"> • Venn diagrams • Writes observations from a graph 		
February	Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing	<i>Continue previous skills</i> 1) Reads and writes numbers to one billion 2) Rounds to the nearest hundred 3) Identifies place value in number to 100,000,000 4) Identifies quotient, dividend and divisor 5) Masters basic subtraction facts 6) Mental computation. 7) Estimates a sum 8) Adds and subtracts whole number and money amounts 9) Multiplies by 10, 100, 1,000 and 10,000. 10) Masters division facts 11) Compares and orders fractions 12) Identifies equivalent fractions 13) Draws and locates point on a number line 14) Geometry <ul style="list-style-type: none"> • Polygons • Congruent line segments and shapes • Transformations: translations, rotations, and reflections 15) Measurement	<i>Sound</i> <ul style="list-style-type: none"> • How sound travels – rapid vibrations; through solids, liquids gas • Different sounds – pitch, intensity • Human voice – sounds, how it works • Protecting hearing 	<i>Early Exploration of North America</i> <ul style="list-style-type: none"> • Early Spanish exploration/settlement • Juan Ponce de Leon • Francisco Coronado • Hernando de Soto • Exploration/settlement of the Southwest • Search for the Northwest Passage

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		<ul style="list-style-type: none"> Tells time to the nearest quarter hour Elapse time U.S. time zones Fahrenheit and Celsius Mass Measures the area of a rectangle 16) Graphing <ul style="list-style-type: none"> Venn diagrams Writes observations from a graph 		
March	Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing	<i>Continue previous skills</i> 1) Counts by 100's 2) Compares and orders 2-, 3- and 4-digits numbers 3) Rounds to the nearest thousand 4) Identifies prime and composite numbers 5) Roman numerals 6) Multiplies by multiples of 10, 100, 1,000 and 10,000 7) Multiplies using the multiplication algorithm 8) Divides 2-,3-, and 4-digit numbers by and single digit number 9) Equivalent fractions 10) Adds positive a negative numbers 11) Geometry <ul style="list-style-type: none"> Identifies and sorts geometric shapes by attribute 12) Measurement <ul style="list-style-type: none"> Area and perimeter 13) Graphing <ul style="list-style-type: none"> Tallies, Bar Graph Mean, median 14) Probability	<i>Ecology, Pollution, and Endangered Animals</i> <ul style="list-style-type: none"> Impact of environmental changes on animal and plant populations Interdependence of species <u>The Cactus Hotel</u> Impact environmental changes on a ecosystems Ecosystems Sources of air and water pollution Pollution reduction and energy conservation Effects of pollution Endangered animals 	<i>Native Americans</i> <ul style="list-style-type: none"> Southwest Eastern Woodlands Southeast How different people spread across North and South America

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April	<p>Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills</p> <p>Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing</p>	<p><i>Continue previous skills</i></p> <ol style="list-style-type: none"> 1) Counts by 100's 2) Compares and orders 2-, 3- and 4-digits numbers 3) Rounds to the nearest thousand 4) Identifies prime and composite numbers 5) Roman numerals 6) Multiplies by multiples of 10, 100, 1,000 and 10,000 7) Multiplies using the multiplication algorithm 8) Divides 2-,3-, and 4-digit numbers by and single digit number 9) Equivalent fractions 10) Adds positive a negative numbers 11) Geometry <ul style="list-style-type: none"> • Identifies and sorts geometric shapes by attribute 12) Measurement <ul style="list-style-type: none"> • Area and perimeter 13) Graphing <ul style="list-style-type: none"> • Tallies and bar graphs • Mean, median 14) Probability 	<p><i>Solar System and Astronomy</i></p> <ul style="list-style-type: none"> • What is astronomy? • Constellations • The North Star and the Big Dipper • Rotation and orbit of the earth and relationship length of day and to seasons • Relationship between earth, sun, and moon 	<p><i>Southern Colonies</i></p> <ul style="list-style-type: none"> • Differences in climate/agriculture among three regions • Locations of important cities • Virginia • Maryland • South Carolina • Georgia • Founders of colonies • Reliance on slavery • Middle Passage
May	<p>Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills</p> <p>Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing</p>	<p><i>Continue previous skills</i></p> <ol style="list-style-type: none"> 1) Reads and writes money amounts to \$99,999,99 2) perfect squares, square roots and cube roots. 3) Identifies the value of π 4) Order of operations 5) Multiplies using the multiplication algorithm 6) Solves problems using multiplication and division 7) Compares and orders fractions 8) Tenth and hundredths using common and decimal forms 	<p><i>Solar System and Astronomy (continued)</i></p> <ul style="list-style-type: none"> • Planets of the solar system • Rotation and orbits of other planet • Pixels • Satellites • Gravity • Solar and lunar eclipses • Stars and other materials in space (black holes, meteors, asteroids) 	<p><i>New England</i></p> <ul style="list-style-type: none"> • Massachusetts – Pilgrims, Puritans • New Hampshire • Connecticut • Rhode Island – development of maritime economy; influence of religion

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	Letter writing	9) Adds and subtracts fractions 10) Simplifies expressions containing addition, subtraction, multiplication and division 11) Point on a coordinate graph 12) Geometry <ul style="list-style-type: none"> • Obtuse, right, straight and acute angles • Triangles and angle size • 3-dimensional geometric objects 13) Measurement <ul style="list-style-type: none"> • Capacity and volume 14) Probability		<i>Mid-Atlantic</i> <ul style="list-style-type: none"> • New York • New Jersey • Pennsylvania • Delaware • Dutch – New York, Pennsylvania • Quakers - Pennsylvania
June	Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing	<i>Continue previous skills</i> 1) Reads and writes money amounts to \$99,999,99 2) perfect squares, square roots and cube roots. 3) Identifies the value of π 4) Order of operations 5) Multiplies using the multiplication algorithm 6) Solves problems using multiplication and division 7) Compares and orders fractions 8) Tenth and hundredths using common and decimal forms 9) Adds and subtracts fractions 10) Simplifies expressions containing addition, subtraction, multiplication and division 11) Point on a coordinate graph 12) Geometry <ul style="list-style-type: none"> • Obtuse, right, straight and acute angles • Triangles and angle size • 3-dimensional geometric objects 13) Measurement <ul style="list-style-type: none"> • Capacity and volume 14) Probability	<i>Solar System and Astronomy</i> <ul style="list-style-type: none"> • Comets • The Big Bang theory • Space exploration • <u>Floating in Space</u>, by Franklyn Branley • Dr. Mae Jemison (1st African American female astronaut) • Newton's laws of motion and relationship to space travel • Copernicus 	<i>Canada and the Northwest Passage</i> <ul style="list-style-type: none"> • Geography of Canada • The Spice Trade • John Cabot • Jacques Cartier

Reading— Reading instruction takes place in large groups based on individual student skill. Placement tests are used at the beginning of the year to accurately assign students to groups and then given throughout the year to determine mobility within the groups. As a result, not all students in Third Grade follow the same course of study at the same pace. Strong decoding skills are combined with comprehension strategies to enable students to understand what they read and make stories come alive. The goal is for all students to be confident, strategic, independent readers. The following concepts and standards are addressed in Third Grade, yet do not follow the same sequence of study for all students. As a result, some of the skills noted below may have carried over from Second grade for some students and may carry over to Fourth Grade for others, depending on students' level of mastery.

Mathematics— Math instruction in third grade is presented incrementally and builds on concepts introduced in previous lessons. Each lesson contains continually daily practice to reinforce skills taught throughout the year. Due to the spiraling nature of the curriculum, most of the skills and standards are addressed throughout the year. The main components of the program include: basic facts practice, mental math and problem solving; daily lesson of new skills; daily practice of new skills; and a daily problem set that includes all material studied thus far in the school year.

History and Geography- In the Third grade, the History and Geography curriculum continues to focus on United States and World History. Students will learn about the exploration, the explorers, and the long-term effects of these journeys. Student will also learn about the Ancient Romans and the parts of modern society that were derived from this culture. Within the area of Geography, students will continue to build on their spatial understanding and their geographic vocabulary.

Science- The Science curriculum in the Third grade will explore a variety of topics in Life Science, Physical Science, and Earth and Space Science. Instruction will focus on hands-on experiences and observation. Students will conduct experiments and read literature that will broaden their understanding of scientific concepts.

Character Education- The character education program at Mystic Valley Regional Charter School is literature based. Students listen to, read and discuss literature and how the stories exemplify the virtue of the month. The goal is to cultivate character through the promotion of basic moral, civic and intellectual virtues.¹

Music and Visual Arts- Music and the arts are an integral part of the curriculum focusing on creativity and active participation. Instruction is non-competitive and provides significant opportunities to sing, dance, listen to music, play act, listen to and read poetry, draw, paint, and create. In addition, children are also exposed to great pieces of art and music.

¹ Klee, Mary Beth; Core Virtues 2007