

	Reading - Direct Instruction	Mathematics - Saxon	Science - Core Knowledge	History - Core Knowledge
August/ September	<p>Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills</p> <p>Deductions Sentence analysis Punctuation Editing Paragraph writing</p>	<ol style="list-style-type: none"> 1) Counting – by 2’s, 3’s, 4’s, 5’s, 7’s,10’s 2) Rounding numbers 3) Odd and even numbers 4) Addition facts 5) Fractional parts 6) Sequencing 7) Geometry <ul style="list-style-type: none"> • Polygons • Congruence 8) Measurement <ul style="list-style-type: none"> • Elapsed time • Date • Time to ½ hour 9) Graphing – bar graph and data 	<p><i>Classification of Animals</i></p> <ul style="list-style-type: none"> • Classification • Characteristics of vertebrates and invertebrates • Characteristics of amphibians and reptiles • <u>The Salamander’s Room</u> • Birds 	<p><i>Geography Review and Land Formations</i></p> <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	<p>Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills</p> <p>Deductions Sentence analysis Punctuation Editing Paragraph writing</p>	<ol style="list-style-type: none"> 1) Counting – by 2’s, 3’s, 4’s, 5’s, 7’s,10’s 2) Rounding numbers 3) Odd and even numbers 4) Addition facts 5) Fractional parts 6) Sequencing 7) Geometry <ul style="list-style-type: none"> • Polygons • Congruence 8) Measurement <ul style="list-style-type: none"> • Elapsed time • Date • Time to ½ hour 9) Graphing – bar graph and data 	<p><i>Ecology, Pollution, and Endangered Animals</i></p> <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 	<p><i>Vikings, Exploration, and Settlement</i></p> <ul style="list-style-type: none"> • Exploration by the Vikings (where, when, how, why) • Eric the Red and Leif Ericson • Juan Ponce de Leon • Francisco Coronado • Hernando de Soto • Reasons for early exploration • Routes taken by explorers
November	<p>Decoding</p>	<ol style="list-style-type: none"> 1) Counts by 12’s 	<p><i>Bones and Muscles in the Human</i></p>	<p>Continuation of previous month</p>

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	Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing	2) Orders 2-and3- digit numbers 3) Number sentences 4) Square numbers 5) Properties of 0,1 in division and multiplication 6) Mental computation 7) Mastery of addition and subtraction facts 1-9 8) Addition of two digit numbers 9) Multiplies by 1,7,10 10) Geometry <ul style="list-style-type: none"> • Line segments • Symmetry • Perimeter 11) Measurement <ul style="list-style-type: none"> • Time • Thermometer • Capacity • Length 12) Graphing – bar and pictograph 13) Comparative symbols <,>.=	<i>Body/Five Senses</i> <ul style="list-style-type: none"> • Names and locations of bones in the human body • Types of joints • Five senses 	
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) Counts by 12's 2) Orders 2-and3- digit numbers 3) Number sentences 4) Square numbers 5) Properties of 0,1 in division and multiplication 6) Mental computation 7) Mastery of addition and subtraction facts 1-9 8) Addition of two digit numbers 9) Multiplies by 1,7,10 10) Geometry <ul style="list-style-type: none"> • Line segments • Symmetry • Perimeter 	<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>The Pilgrims and Colonial Times</i> <ul style="list-style-type: none"> • School in colonial times • Creating a new community • Reasons for immigration of colonial settlers • Law during colonial times • Plantation life

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		11) Measurement <ul style="list-style-type: none"> • Time • Thermometer • Capacity • Length 12) Graphing – bar and pictograph 13) Comparative symbols <,>.=		
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) Counts by 12's 2) Orders 2-and3- digit numbers 3) Number sentences 4) Square numbers 5) Properties of 0,1 in division and multiplication 6) Mental computation 7) Mastery of addition and subtraction facts 1-9 8) Addition of two digit numbers 9) Multiplies by 1,7,10 10) Geometry <ul style="list-style-type: none"> • Line segments • Symmetry • Perimeter 11) Measurement <ul style="list-style-type: none"> • Time • Thermometer • Capacity • Length 12) Graphing – bar and pictograph 13) Comparative symbols <,>.=	<i>Vision and Optics</i> <ul style="list-style-type: none"> • Light • Colors • Perception • Shadows and perspective 	<i>Thirteen Colonies</i> <ul style="list-style-type: none"> • Reasons colonists immigrated to North America • Life during colonial times – jobs • Location of colonies and time of establishment
February	Decoding Vocabulary Literal Comprehension Inferential Comprehension Literary Skills Study Skills	<i>Continue previous skills</i> 1) Counts by 100's, ½'s,, ¼'s 2) Ordinal position 3) Roman Numerals 4) Multiples	<i>Sound</i> <ul style="list-style-type: none"> • How sound travels • Different sounds 	<i>Canada and the Northwest Passage</i> <ul style="list-style-type: none"> • Geography of Canada • The Spice Trade • John Cabot • Jacques Cartier

**Mystic Valley Regional Charter School
2005**

Third Grade Curriculum Matrix- draft

	Reading - Direct Instruction	Mathematics - Saxon	Science - Core Knowledge	History - Core Knowledge
	Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing	5) Square roots 6) Addition and subtraction of money 7) Compares and orders fractions 8) Mixed numbers 9) Adds and subtracts fractions 10) Geometry – area 11) Measurement <ul style="list-style-type: none"> • Length and distance • Customary units • Mass 12) Probability		
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, ½'s, ¼'s 2) Ordinal position 3) Roman Numerals 4) Multiples 5) Square roots 6) Addition and subtraction of money 7) Compares and orders fractions 8) Mixed numbers 9) Adds and subtracts fractions 10) Geometry – area 11) Measurement <ul style="list-style-type: none"> • Length and distance • Customary units • Mass 12) Probability	<i>Sound</i> <ul style="list-style-type: none"> • How sound travels • Different sounds 	<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
April	Decoding Vocabulary Literal Comprehension Inferential Comprehension	<i>Continue previous skills</i> 1) Place value 2) Estimation	<i>Solar System and Astronomy</i> <ul style="list-style-type: none"> • What is astronomy? • Constellations 	<i>Ancient Roman Gods and Goddesses</i> <ul style="list-style-type: none"> • Attributes of Roman Gods and Goddesses • Myths and stories about

	Reading - Direct Instruction	Mathematics - Saxon	Science - Core Knowledge	History - Core Knowledge
	Literary Skills Study Skills Deductions Sentence analysis Punctuation Editing Paragraph writing Story writing Letter writing	3) Prime numbers and factors 4) Associative and commutative properties 5) Multiplication and division facts 1-9 6) Mental computation 7) Divides a 2-digit number by a 1-digit number 8) Points on coordinate planes 9) Geometry <ul style="list-style-type: none"> • Parallel, intersecting, perpendicular lines • Acute, right and obtuse angles • Triangles • Rotations, translations, reflections • 3 dimensional objects 10) Measurement <ul style="list-style-type: none"> • Metric units • Mapping scale • Volume 	<ul style="list-style-type: none"> • 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 • Planets of the solar system • Rotation and orbits of other planet • Pixels • Satellites • Gravity 	Roman Gods and Goddesses <ul style="list-style-type: none"> • Roman Gods and Goddesses and life during Ancient Roman times
May	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) Place value 2) Estimation 3) Prime numbers and factors 4) Associative and commutative properties 5) Multiplication and division facts 1-9 6) Mental computation 7) Divides a 2-digit number by a 1-digit number 8) Points on coordinate planes 9) Geometry <ul style="list-style-type: none"> • Parallel, intersecting, perpendicular lines 	<i>Solar System and Astronomy</i> <ul style="list-style-type: none"> • Review satellites • Solar and lunar eclipses • Stars and other materials in space (black holes, meteors, asteroids) • 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 	<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"> • Acute, right and obtuse angles • Triangles • Rotations, translations, reflections • 3 dimensional objects 10) Measurement <ul style="list-style-type: none"> • Metric units • Mapping scale • Volume 		
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) Place value 2) Estimation 3) Prime numbers and factors 4) Associative and commutative properties 5) Multiplication and division facts 1-9 6) Mental computation 7) Divides a 2-digit number by a 1-digit number 8) Points on coordinate planes 9) Geometry <ul style="list-style-type: none"> • Parallel, intersecting, perpendicular lines • Acute, right and obtuse angles • Triangles • Rotations, translations, reflections • 3 dimensional objects 10) Measurement <ul style="list-style-type: none"> • Metric units • Mapping scale • Volume 	<i>Science Biographies</i> <ul style="list-style-type: none"> • Alexander Graham Bell • John Muir • Copernicus • Library research 	<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 • Geography of the Southwest • Geography of the Plains • Geography of the Northeast

Reading— Reading instruction takes place in small 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— Incremental development and continual practice and review are two important aspects of the Mystic Valley Regional Charter School's elementary math program¹. Topics are introduced and students are given time to practice, review and build upon these concepts as they learn new ones. Due to the spiraling nature of the curriculum, most of the skills and standards are addressed throughout the year. Each lesson consists of a morning meeting in which students practice skills related to time, weather, counting, patterning, graphing, money and problem solving. Later in the day, the math lesson introduces a new concept and allows children time to practice and review previous skills. Students are also expected to complete daily guided practice sheets at home.

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.²

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 Saxon Publishers Saxon Mathematics K-4 Program Overview, 2001 p. 9

² Klee, Mary Beth; Core Virtues 2000