

## Three Rivers Community Schools

### Curriculum Guide for Fourth Grade

Three Rivers Community Schools focus on the academic, social, emotional, and physical development of each child. Children engage in a variety of experiences designed to foster their continual growth.

This curriculum guide is based on Common Core State Standards established for each subject area. These are the learning expectations that will be taught and assessed to determine your child's progress this year. Through the cooperative efforts of parents, students, and school, your child will reach his/her potential.

As a parent, active participation in your child's education is essential. Your child is very valuable to us, and we want him/her to succeed at school. Please support this effort through ensuring good attendance, helping with homework, and encouraging your child to always do his/her personal best.

Here is what your child will be learning this year. Please note: The shaded areas indicate in which marking period each of the standards will be taught and assessed.

<b>READING</b>	<b>1st</b>	<b>2nd</b>	<b>3rd</b>	<b>4th</b>
<b>Phonics and Vocabulary</b>				
Knows and applies grade-level phonics and word analysis skills in decoding unknown words				
<b>Fluency</b>				
Reads with accuracy, expression, and at an appropriate rate for grade level				
<b>Literature Text Comprehension</b>				
Reads and comprehends literature at a fourth grade level				
Refers to details and examples in a text when explaining what the text means				
Refers to details and examples when making inferences				
Describes a character and their traits using details from the text				
Describes the setting using details from the text				
Describes events in literature using details from the text				
Determines the meaning of unknown words using context clues				
Uses prefixes, suffixes, and root words to help decode words				
Writes evidence to support inferences				
Determines a theme in a story or poem				
Summarizes a story, drama, or poem				
Determines the meanings of words that reference popular mythological characters				
<b>Informational Text Comprehension</b>				
Reads and comprehends informational text at a fourth grade level				
Refers to details and examples when explaining informational text				
Refers to details and examples when making inferences about informational text				
Writes evidence to support inferences for informational text				
Locates answers found directly in informational text				
Determines the main idea of informational text				
Determines key details and uses them to support the main idea of informational text				
Summarizes informational text using key details				
Reads informational text and identifies events, ideas, or concepts				
Uses specific information in a text to explain events, procedures, and ideas				
<b>Speaking and Listening</b>	<b>1st</b>	<b>2nd</b>	<b>3rd</b>	<b>4th</b>
Engages effectively in a range of collaborative discussions				
Follows rules for classroom discussions and carries out roles				
Paraphrases portions of a reading orally to class				
Comes to class discussions prepared and can express own ideas				
Comes up with and answers questions during class discussions				
Reports on a topic, tells a story, or recounts an experience in an organized and meaningful way				

<b>WRITING</b>	<b>1st</b>	<b>2nd</b>	<b>3rd</b>	<b>4th</b>
<b>Language</b>				
Uses correct capitalization				
Spells grade level words correctly				
Uses commas and quotation marks for speech and direct quotes				
Uses commas in compound sentences				
<b>Narrative Writing</b>				
Writes a narrative piece in a single sitting				
Writes a narrative piece in a workshop setting				
Introduces a narrator or characters in a narrative				
Uses dialogue and descriptions to develop narratives				
Uses transition words and phrases				
Provides a conclusion				
Uses sensory details				
Writing is clear and understandable				
<b>Informational Writing</b>				
Writes an informational paper in a single sitting				
Writes an informational paper in a workshop setting				
Introduces the topic clearly				
Groups related information in paragraphs				
Develops the topic with relevant facts and information				
Uses transition words and phrases				
Uses specific vocabulary when writing informational papers				
Provides a conclusion				
Writing is clear and understandable				
Conducts short research projects				
<b>Opinion and Persuasive Writing</b>				
Writes an opinion/persuasive writing in a single sitting				
Writes an opinion/persuasive writing in a workshop setting				
Introduces a topic or states an opinion clearly				
Provides reasons to support the topic or main idea				
Uses transition words and phrases				
Provides a conclusion				
Writing is clear and understandable				
<b>MATH</b>				
	<b>1st</b>	<b>2nd</b>	<b>3rd</b>	<b>4th</b>
<b>Number and Operations</b>				
Explains the value of each digit in a multi-digit number as ten times the digit to the right				
Reads and writes a multi-digit number in word form, base ten numerals, and expanded form				
Compares two multi-digit numbers using place value and records using $<$ , $>$ , $=$				
Explains how to use place value in order to round a multi-digit number				
Uses the value of the digit to the right to determine which way to round				
Writes a multi-digit number rounded to any given place				
Adds multi-digit whole numbers by using the standard algorithm				
Subtracts multi-digit whole numbers by using the standard algorithm				
Multiplies a multi-digit number by a one-digit whole number				
Demonstrates multiplication of two-digit numbers using arrays, place value, and the area model				
Solves multiplication of 2 two-digit numbers using properties of operations and equations				
Demonstrates division of a multi-digit number by a one-digit number using various strategies				
Solves division of a multi-digit number by a one-digit number using properties of operations				
Explains chosen strategy for multiplication and division				
Recognizes and generates equivalent fractions				
Compares two fractions when the two fractions refer to the same whole				
Understands addition and subtraction of fractions as joining or separating parts of a whole				
Decomposes a fraction into a sum of fractions with the same denominator				
Adds and subtracts fractions				
Solves addition and subtraction word problems involving fractions				
Solves word problems involving multiplying a whole number and a fraction				

<b>MATH</b>	<b>1st</b>	<b>2nd</b>	<b>3rd</b>	<b>4th</b>
<b>Number and Operations</b>				
Decomposes fractions into unit fractions using visual models				
Rewrites fractions with a denominator of 10 as an equivalent fraction with denominators of 100				
Adds two fractions with denominators 10 and 100				
Explains the relationship between a fraction and its decimal representation				
Represents fractions with denominators of 10 and 100 as a decimal				
Identifies the tenths and hundredths place of a decimal				
Shows the placement of a decimal on a number line				
Justifies the comparison of decimals by reasoning about the size of decimals				
<b>Operations and Algebraic Thinking</b>				
Explains how a multiplication equation can be interpreted as a comparison				
Determines when to multiply or divide in word problems				
Solves multiplication or division word problems				
Chooses the correct operation to perform at each step of a multi-step word problem				
Interprets remainders in word problems				
Writes equations using a variable to represent the unknown number				
Uses mental math or estimation strategies to check if an answer is reasonable				
Lists all of the multiples and factor pairs for any whole number in the range 1-100				
Determines if a number is prime or composite				
<b>Measurement and Data</b>				
Describes the relative sizes of measurement units				
Represents a larger unit as a multiple of smaller units within the same system of measurement				
Represents measurements using diagrams and correct measurement scale				
Uses the four operations to solve measurement word problems				
Solves word problems involving various measurements				
Converts a measurement in a larger unit to an equivalent smaller unit to solve problems				
Explains the formulas for area and perimeter				
Uses the formulas for area and perimeter to solve real world problems				
Creates a line plot with given data set of measurements using fractions as a unit				
Uses the information on the line plot to solve addition and subtraction problems				
<b>Science</b>	<b>1st</b>	<b>2nd</b>	<b>3rd</b>	<b>4th</b>
<b>Life Science</b>				
Compares the life requirements of familiar plants and animals				
Explains how the environmental changes can produce a change in the food web				
Illustrates characteristics and functions of animals that help them survive				
Identifies familiar organisms as part of the food chain or food web				
Explains how physical characteristics and adaptations of animals help them survive				
Describes the effect humans and other organisms have on the balance of the natural world				
<b>Physical Science</b>				
Compares and contrasts states of matter				
Explains how matter can change from one state to another by heating or cooling				
Identifies forms of energy associated with household items				
Demonstrates the magnetic field by observing the patterns formed with iron filings				
Observes that like poles of a magnet repel and unlike poles attract				
Demonstrates why non-magnetic objects are effected by the strength of a magnet				
Identifies objects that are good and poor conductors of heat and electricity				
Demonstrates how temperature can be increased in a substance by adding energy				
Describes heat as the energy produced when substances burn, rub, or when electricity flows				
Describes how electrical energy is transferred and changed through a simple circuit				
Describes and demonstrates how electricity flows through a wire to create a magnetic field				
<b>Earth Science</b>				
Identifies common objects in the sky such as sun and moon				
Compares/Contrasts characteristics of sun, earth, moon; distance and ability to support life				
Describes the earth's orbit around the sun as it defines a year				
Explains that the earth's spin creates day and night				
Describes the motion of the moon around the earth				

<b>Science</b>	<b>1st</b>	<b>2nd</b>	<b>3rd</b>	<b>4th</b>
<b>Earth Science</b>				
Explains the observable shape of the moon follows a predictable pattern each month				
Describes the apparent movement of the sun and moon through day/night and seasons				
Explains how fossils provide evidence of the history of the earth				
Compares and contrasts life forms found in fossils and organisms that exist today				
<b>SOCIAL STUDIES</b>				
<b>Geography</b>				
Describes the ideas and actions of people in the Underground Railroad in Michigan				
Identifies questions geographers ask in examining the United States				
Uses cardinal and intermediate directions to locate significant places in the United States				
Identifies & describes the characteristics & purposes of tools & technologies to discuss U.S.				
Uses maps to describe elevation, climate, and patterns of population density in U.S.				
Describes ways in which the U.S. can be divided into different regions				
Compares human and physical characteristics of a region to which Michigan belongs				
<b>Civics and Government</b>				
Uses a case study about migration to Michigan and the U.S. and identifies reasons why				
Describes the impact of migration to Michigan and the U.S. on cultural development				
Identifies questions political scientists ask in examining the United States				
Identifies questions economists ask in examining the United States				
Assesses the positive and negative effects of human activities on the environment in U.S.				
Explains the probable consequences of an absence of government and rules and laws				
Describes the purposes of government as identified in the Preamble of the Constitution				
Gives examples of powers granted to the federal government and those of the states				
Explains how the federal government uses taxing and spending to serve the government				
Explains how principles of popular sovereignty, etc. serve to limit government power				
Identifies situations in which specific rights of the Constitution & Bill of Rights are involved				
Gives examples of ways the Constitution limits powers of the federal government				
Describes the structure and separation of powers of the three branches of government				
Describes how the President, Congress, and the Supreme Court come to power				
Explains and describes the relationship between rights and responsibilities of citizenship				
Explains why rights have limits				
Describes ways citizens promote the values and principles of the American democracy				
Identifies public issues in the United States that influence the daily lives of citizens				
Uses graphic data to analyze information about a public issue and evaluates resolutions				
Gives examples of how conflicts over Core Democratic Values lead people to differ				
Writes a brief essay expressing a position on a public policy issue with solid arguments				
<b>Economics</b>				
Describes some characteristics of a market economy				
Describes how positive & negative incentives influence our behavior in a market economy				
Explains how competition and price effects decisions about purchasing good & services				
Explains how specialization and division of labor increases productivity				
Demonstrates the circular flow model in a market simulation				
Explains how changes made in the United States economy impacts levels of employment				
Describes how global competition effects the national economy				
<b>PERSONAL MANAGEMENT</b>				
<b>These life skills are focused upon throughout the school year. They are essential behaviors not only for the classroom, but many are skills that will help each child develop into a successful, productive adult.</b>				
Listens and follows directions				
Assumes responsibility for belongings and materials				
Stays on task				
Completes in-class and homework assignments				
Works independently				
Exhibits organizational skills				
Seeks help when needed				
Respects self, others, and property				
Exhibits self-control				
Follows classroom and school rules				
Contributes to whole group discussions and activities				