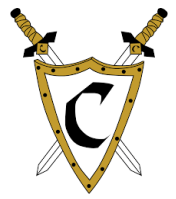




4th Grade Course Information



MATH

| Content Area | Learning Focuses |
|--------------------------------|---|
| <i>Number & Operations</i> | <ul style="list-style-type: none">• Demonstrate fluency with multiplication and division facts.• Use an understanding of place value to multiply a number by 10, 100 and 1000.• Multiply multi-digit numbers, using efficient and generalizable procedures, based on knowledge of place value, including standard algorithms.• Estimate products and quotients of multi-digit whole numbers by using rounding, benchmarks and place value to assess the reasonableness of results.• Solve multi-step real-world and mathematical problems.• Use strategies and algorithms based on knowledge of place value, equality and properties of operations to divide multi-digit whole numbers by one- or two-digit numbers.• Read and write tenths and hundredths in decimal and fraction notations using words and symbols; know the fraction and decimal equivalents for halves and fourths. |
| <i>Algebra</i> | <ul style="list-style-type: none">• Create and use input-output rules involving addition, subtraction, multiplication and division to solve problems in various contexts. Record the inputs and outputs in a chart or table.• Understand how to interpret number sentences involving multiplication, division and unknowns. Use real-world situations involving multiplication or division to represent number sentences.• Use multiplication, division and unknowns to represent a given problem situation using a number sentence. Use number sense, properties of multiplication, and the relationship between multiplication and division to find values for the unknowns that make the number sentences true. |



4th Grade Course Information



| | |
|-----------------------------------|--|
| <i>Geometry & Measurement</i> | <ul style="list-style-type: none"> • Describe, classify and sketch triangles, including equilateral, right, obtuse and acute triangles. Recognize triangles in various contexts. • Describe, classify and draw quadrilaterals, including squares, rectangles, trapezoids, rhombuses, parallelograms and kites. Recognize quadrilaterals in various contexts. • Measure angles in geometric figures and real-world objects with a protractor or angle ruler. • Compare angles according to size. Classify angles as acute, right and obtuse. • Understand that the area of a two-dimensional figure can be found by counting the total number of same size square units that cover a shape without gaps or overlaps. Justify why length and width are multiplied to find the area of a rectangle by breaking the rectangle into one unit by one unit squares and viewing these as grouped into rows and columns. • Find the areas of geometric figures and real-world objects that can be divided into rectangular shapes. Use square units to label area measurements. • Apply translations (slides) to figures. • Apply reflections (flips) to figures by reflecting over vertical or horizontal lines and relate reflections to lines of symmetry. • Apply rotations (turns) of 90° clockwise or counterclockwise. • Recognize that translations, reflections and rotations preserve congruency and use them to show that two figures are congruent. |
| <i>Data Analysis</i> | <ul style="list-style-type: none"> • Use tables, bar graphs, timelines and Venn diagrams to display data sets. The data may include fractions or decimals. Understand that spreadsheet tables and graphs can be used to display data. |

SCIENCE

| Content Area | Learning Focuses |
|-------------------------|---|
| <i>Physical Science</i> | <ul style="list-style-type: none"> • |



4th Grade Course Information



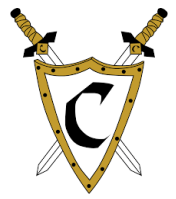
| | |
|--------------------------------|---|
| <i>Life Science</i> | • |
| <i>Earth and Space Science</i> | • |

SOCIAL STUDIES

| Content Area | Learning Focuses |
|-----------------------------------|---|
| <i>Citizenship and Government</i> | <ul style="list-style-type: none">• Describe how people take action to influence a decision on a specific issue• Describe tribal government and some of the services it provides• Identify the major roles and responsibilities of elected and appointed leaders in the community, state, and nation |
| <i>Economics</i> | <ul style="list-style-type: none">• Define the productivity of a resource and describe ways to increase it |
| <i>Geography</i> | <ul style="list-style-type: none">• Locate and identify the physical and human characteristics of places in the United States (regions), and Canada and Mexico.• Name and locate states and state capitals in the United States and neighboring countries• Describe how the location of resources and the distribution of people and various economic activities has created different regions• Analyze the impact of geographic factors on the development of modern agricultural regions in MN and the US. |
| <i>History</i> | <ul style="list-style-type: none">• Identify a person in history; research their history, create a timeline, and present information in first person point-of-view. |
| <i>Ethnic Studies</i> | <ul style="list-style-type: none">• Identify examples of individuals or groups who have had an impact on world history. Explain how the actions of these individuals and groups have helped shape the world around them and the world today. |



4th Grade Course Information



ENGLISH, LANGUAGE, ARTS

| Content Area | Learning Focuses |
|--|--|
| <i>Reading</i> | <ul style="list-style-type: none">● Read and comprehend multiple fiction and nonfiction texts independently and be able to interpret and analyze parts of the text.● Apply knowledge of text structure and reading strategies to understand and evaluate literary and informational texts.● Have an understanding of word parts and vocabulary to be able to examine the impact it has on a text in both fiction and nonfiction texts. (Sunday)● Use the understanding of word parts to improve on spelling. (Sunday) |
| <i>Writing</i> | <ul style="list-style-type: none">● Understand the basic knowledge of grammar and sentence mechanics to express ideas in writing.● Write for different purposes.● Use the writing process to develop and strengthen the writing. |
| <i>Listening, Speaking, Viewing and Exchanging Ideas</i> | <ul style="list-style-type: none">● Be an equal participant in group discussions by asking questions, responding to questions, and seeking feedback. |