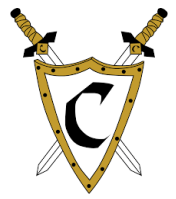




5th Grade Course Information

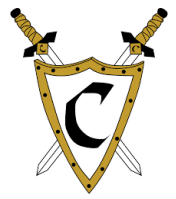


MATH

Content Area	Learning Focuses
<i>Number & Operations</i>	<ul style="list-style-type: none">● Whole number multiplication up to 2 digit by 6 digits● Whole number division with dividends up to 7 digits and 2 digit divisors● Read, write, and represent decimals to the millionth● Add & subtract decimals with estimation and solving precisely● Compare and order decimals and fractions● Add & subtract fractions with estimation and solving precisely● Convert between fractions, improper fractions and mixed numbers● Simplify fractions to simplest form
<i>Algebra</i>	<ul style="list-style-type: none">● Create and use rules within functions and tables● Understand quadrants of the coordinate plane● Graph the solutions to functions on the coordinate plane● Understand and apply PEMDAS to solve order of operations problems● Solve simple algebraic equations by isolating the variable● Interpret inequalities when given a value for a variable
<i>Geometry & Measurement</i>	<ul style="list-style-type: none">● Describe and classify solid 3D figures by edges, faces, and vertices● Recognize and draw nets of 3D figures● Understand and apply volume formula for rectangular prisms● Understand and apply area formula for triangles● Determine surface area of various rectangular prisms
<i>Data Analysis</i>	<ul style="list-style-type: none">● Understand and apply mean, median, mode, and range to sets of data● Create and analyze double bar graphs and line graphs



5th Grade Course Information

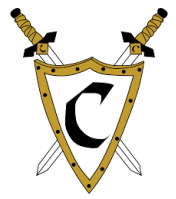


SCIENCE

Content Area	Learning Focuses
<i>Physical Science</i>	<ul style="list-style-type: none">• Changes in energy based on object interactions with a focus on speed, not forces• Determine if mixing substances results in a chemical reaction or a physical reaction• Evaluate materials and tools based on appropriate sortable characteristics• Analyze and interpret data to show how energy can be transferred from place to place• Prove through experiments the law of conservation of matter• Develop a model to describe that matter is made of particles too small to be seen• Understand the relationship between the speed of an object and it's related energy• Use the scientific method to design experiments and evaluate the reliability of results
<i>Life Science</i>	<ul style="list-style-type: none">• Prove that plant growth is primarily due to air and water consumption• Use models to understand transfer of energy through life cycles (plants, animals, decomposers)
<i>Earth and Space Science</i>	<ul style="list-style-type: none">• Use data to describe patterns in daily shadows (length & direction) as well as seasonal appearances of certain stars



5th Grade Course Information

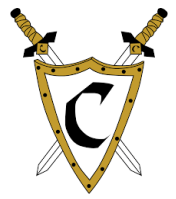


SOCIAL STUDIES

Content Area	Learning Focuses
<i>Citizenship and Government</i>	<ul style="list-style-type: none">● Recognize and begin to understand the rights and responsibilities of a United States citizen.● Learn and begin to understand the United States Constitution.● Know the branches of the United States Government.
<i>Economics</i>	<ul style="list-style-type: none">● Begin to understand personal finance.
<i>Geography</i>	<ul style="list-style-type: none">● Understand geographic tools.● Understand and interpret maps from early America to now.
<i>History</i>	<ul style="list-style-type: none">● Learn about Indigenous cultures and groups before the 1500s.● Understand the reasons for the Age of Exploration and identify key explorers.● Understand the reasons and analyze the American Revolution.● Describe the purpose and meaning of Veterans Day; create a video and presentation for the school and community.● Analyze the events of 9/11 by focusing on the behavior of our response teams and heroes. (The Man in the Red Bandanna)
<i>Ethnic Studies</i>	<ul style="list-style-type: none">● Analyze the Civil Rights Movement and identify pivotal moments.



5th 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.