3rd Grade Course Information

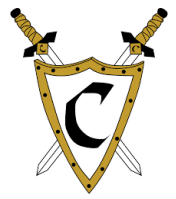## MATH

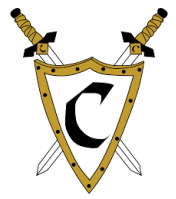| Content Area	Learning Focuses
Number & Operations	● Read, write,describe and represent whole numbers up to 100,000 ● Find 10,000 more or 10,000 less than a number ● Round to the nearest 10,000, 1000, 100 nd 10 ● Compare and order whole numbers ● Add and subtract multi-digit numbers ● Add, subtract, multiply and divide to solve real-world problems ● Represent multiplication facts using a variety of approaches ● Multiply or add two or three digit numbers by one digit numbers ● Read and write fractions with words and symbols ● Understand the size of a fraction part is relative to the whole ● Order and compare fractions with like denominators
Algebra	● Create, apply and describe input-output rules involving addition, subtraction and multiplication ● Understand how to interpret number sentences involving multiplication and division ● Use multiplication and division to represent a given problem situation
Geometry & Measurement	● Identify parallel and perpendicular lines ● Understand properties of polygons ● Measure distances to the half inch ● Understand how to find perimeter of objects ● Tell time to the minute on analog clocks and determine elapsed time to the minute ● Make change up to one dollar in several different ways ● Use a thermometer to tell temperature to the nearest degree
Data Analysis	● Collect, display, and interpret data using frequency tables, bar graphs, picture graphs, and number line plots having a variety of scales. ● Use appropriate titles, labels, and units

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SCIENCE

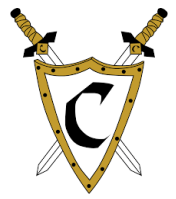| Content Area	Learning Focuses
Physical Science	- Ask questions based on observations about why objects in darkness can be seen only when illuminated. - Plan and conduct a controlled investigation to determine the effect of placing objects made of different materials on a beam of light. - Develop a model to describe that light reflecting from objects and entering the eye allows objects to be seen.
Life Science	- Plan and conduct an investigation to determine how much sunlight and water impact plant growth. - Develop multiple models to describe how organisms have unique life cycles, but all have birth, growth, reproduction, and death in common. - Construct an explanation for how the variations in characteristics among individuals may provide advantages in surviving, finding mates, and reproducing. - Construct an argument about strategies animals use to survive. - Obtain information to support an argument that plants and animals have internal and external structures that function to support them.
Earth and Space Science	- Gather information and communicate how Minnesota American Indian Tribes and communities and other cultures use patterns in stars to make predictions and plans. - Record observations of the sun, moon and stars and use them to describe predictable patterns. - Identify and describe patterns in the amount of daylight in different times of the year.

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SOCIAL STUDIES

Content Area	Learning Focuses
Citizenship and Government	- Learn how to think, reason, and act responsibly to make your community and country a better place. - Explore why we have rules, laws, and duties and how they help everyone work together. - Discover how governments make decisions and how people can work together to solve problems and make changes.
Economics	- Learn how people decide what to do with money, time, and resources when they can't have everything they want. - Discover how to set and achieve goals by making plans for spending, saving, and sharing. - Explore how goods, services, and money are shared and how decisions can have both good and bad effects.
Geography	- Use maps to explore different areas and learn how natural and human-made regions are different, both past and present. - Learn how different cultural perspectives shape how people feel about and connect to places like your school, community, or environment.
History	- Learn how past inventions changed life, including their positive, negative, and unexpected effects. - Discover how family life, buildings, technologies, and people from ancient times shaped the world we live in today.
Ethnic Studies	Discover how groups worked for independence and fair representation.

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ENGLISH, LANGUAGE, ARTS

Content Area	Learning Focuses
Reading	● 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. (Sonday) ● Use the understanding of word parts to improve on spelling. (Sonday)
Writing	● 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.
Listening, Speaking, Viewing and Exchanging Ideas	● Be an equal participant in group discussions by asking questions, responding to questions, and seeking feedback.