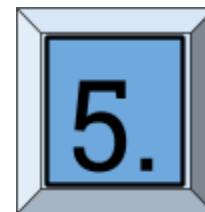


# TCGIS Family Overview Map

## Core Subjects, 5th grade



The following are general topic areas and intended timelines for instruction.  
The topics listed are only samples, not a complete listing. Topics listed may occur earlier or later than indicated.

Month	German Language Arts	English Language Arts	Social Studies	Math	Nawi
<b>September</b>	<p><b>Living and Learning Together</b></p> <ul style="list-style-type: none"> <li>Understand and write adjectives related to social interaction</li> </ul> <p><b>In the Beginning... (Prehistoric Europe)</b></p> <ul style="list-style-type: none"> <li>Understand proper verb conjugation (preterite past tense)</li> <li>Expand academic "Prehistory" vocabulary</li> </ul>	<p><b>Fiction Book Unit: <i>City of Ember</i></b></p> <ul style="list-style-type: none"> <li>Identify plot structure</li> <li>Learn new vocabulary</li> <li>Use evidence to determine character traits</li> <li>Chunk sentences for meaning</li> <li>Find difference between nouns &amp; proper nouns</li> </ul>	<p><b>History - Prehistory and Bronze Age</b></p> <ul style="list-style-type: none"> <li>Create a Stone Age fire and new interpretations of Chauvet cave paintings</li> <li>Understand the importance of bronze and sedentary lifestyles in Early Europe</li> </ul>	<p><b>Unit 1: Prime Time: Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>Divide multi-digit numbers</li> <li>Solve real-world and mathematical problems using arithmetic</li> </ul>	<p><b>The nature of science &amp; the scientific method</b></p> <ul style="list-style-type: none"> <li>Understand how a scientific and a non-scientific approach to questions differs and identify the steps followed when approaching a question scientifically</li> <li>Conduct detailed observations</li> </ul> <p><b>Ecosystems &amp; Habitat</b></p> <ul style="list-style-type: none"> <li>Acquire vocabulary related to ecosystems and habitats</li> </ul>
<b>October</b>	<p><b>Children Improving the World: <i>Ronja Räubertochter, Die Pfefferkörner</i> (cross-class content)</b></p> <ul style="list-style-type: none"> <li>Practice writing using irregular past tense verbs</li> <li>Discuss differences between cultures and time periods</li> </ul> <p><b>Presentation: Animal Adaptations (with Science)</b></p>	<p><b>Fiction Book Unit: <i>The Mysteries of Harris Burdick</i></b></p> <ul style="list-style-type: none"> <li>Practice inferencing skills</li> <li>Ask questions to gain new understanding</li> <li>Make predictions to support understanding</li> <li>Identify and use adjectives in sentences</li> </ul>	<p><b>History - Early Great Civilizations</b></p> <ul style="list-style-type: none"> <li>Investigate the rise of Ancient Egypt, China, Mesopotamia, and Indus Valley civilizations</li> <li>Discover the concepts of life in these civilizations: afterlife, culture, religion, etc.</li> </ul>	<p><b>Continuation &amp; finishing Unit 1: Prime Time: Multiplication and Division</b></p> <p><b>Unit 2: Data About Us</b></p> <ul style="list-style-type: none"> <li>Display and interpret data</li> <li>Determine mean, median and range</li> </ul>	<p><b>Ecosystems &amp; Habitat - Foodchains/webs, Decomposers, Animal adaptation</b></p> <ul style="list-style-type: none"> <li>Identify the ecological factors and relationships in a food web</li> <li>Identify animal adaptations and how these help animals survive</li> </ul>
<b>November</b>	<p><b>Children Improving the World: <i>Die Pfefferkörner</i> (cross-class content)</b></p> <ul style="list-style-type: none"> <li>Practice using personal pronouns correctly (his, her, their, etc.)</li> <li>Use helping verbs correctly in the past tense</li> </ul>	<p><b>Creative Writing: <i>Mysteries</i> (Using Harris Burdick as inspiration)</b></p> <ul style="list-style-type: none"> <li>Creating a solid format for writing narratives</li> <li>Writing your own narrative</li> <li>Use feedback to revise writing</li> <li>Know when to use action verbs, linking verbs, &amp; helping verbs in writing</li> </ul>	<p><b>History - Antiquities</b></p> <ul style="list-style-type: none"> <li>Recreate Greek and Roman mythology and legends</li> <li>Discuss the political and economic structures in Athens, Sparta, the Roman Republic and the Roman Empire</li> </ul>	<p><b>Continuation &amp; finishing Unit 2: Data About Us</b></p> <ul style="list-style-type: none"> <li>Display and interpret data</li> <li>Determine mean, median and range</li> </ul>	<p><b>Plant adaptations, Biomes, Decomposers, the influence of Local Traditions on Science &amp; Engineering</b></p> <ul style="list-style-type: none"> <li>Identify how plant adaptations aid in survival</li> <li>Investigate the effects of decomposer</li> <li>Examine the 6 terrestrial Biomes and identify the Minnesota Biomes</li> </ul>

<p><b>December</b></p>	<p><b>Reading and Writing about Animals</b></p> <ul style="list-style-type: none"> <li>• Explore rules determining the genus of nouns</li> <li>• Identify and use separable verbs correctly</li> <li>• Exploring conjunctions to show cause- effect</li> </ul>	<p><b>Poetry</b></p> <ul style="list-style-type: none"> <li>• Identify different types of figurative language in poetry</li> <li>• Compose poems using figurative language</li> <li>• Identify adverbs</li> <li>• Review parts of speech</li> </ul>	<p><b>History - Medieval Europe</b></p> <ul style="list-style-type: none"> <li>• Recognize Germanic tribes and migration patterns at the Fall of Rome</li> <li>• Explore life in the Middle Ages</li> </ul>	<p><b>Unit 3: Bits and Pieces I: Understanding Fractions, Decimals and Percents</b></p> <ul style="list-style-type: none"> <li>• Read, write, represent and compare fractions and decimals</li> <li>• Recognize and write equivalent fractions</li> <li>• Convert between fractions and decimals</li> <li>• Use fractions and decimals in real-world and mathematical situations</li> </ul>	<p><b>Invasive Species, Scientific Experiments</b></p> <ul style="list-style-type: none"> <li>• Investigate the effects of invasive species on ecosystems</li> <li>• Plan and conduct a controlled experiment</li> </ul>
<p><b>January</b></p>	<p><b>Animal Research - German Day at the MN Zoo Preparation</b></p> <ul style="list-style-type: none"> <li>• Understand and use academic vocabulary related to animals</li> <li>• Use grammar checking tools appropriately</li> </ul>	<p><b>Fiction Book Unit: <i>Bud, Not Buddy</i></b></p> <ul style="list-style-type: none"> <li>• Identify and explain conflict in a story</li> <li>• Examine how a character develops and changes</li> <li>• Reflect on what read: make connections</li> <li>• Identify prepositions, conjunctions, articles, &amp; interjections</li> </ul> <p>Nonfiction reading: The Great Depression, BIPOC communities in the 1920s</p>	<p><b>Geography: Minnesota and Germany</b></p> <ul style="list-style-type: none"> <li>• Investigate political and physical geography of different German <i>Bundesländer</i></li> <li>• Understand Minnesota geography based on political and physical maps</li> </ul>	<p><b>Continuation &amp; finishing Unit 3: Bits and Pieces I: Understanding Fractions, Decimals and Percents</b></p> <p><b>Unit 4: Fraction and Decimal Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>• Add and subtract fractions, mixed numbers and decimals to solve real-world and mathematical problems</li> </ul>	<p><b>Variables, Experimental Design, Graphing, Speed and Velocity, Equations</b></p> <ul style="list-style-type: none"> <li>• Identify experimental variables, calculate mean and range, simple graphing of data.</li> <li>• Investigate how tools and mathematics help scientists work more accurately</li> <li>• Work with basic physics equations</li> </ul>
<p><b>February</b></p>	<p><b>MN Zoo Animal Presentations</b></p> <ul style="list-style-type: none"> <li>• Practice speaking to an audience</li> </ul> <p><b>Fabels &amp; Proverbs</b></p> <ul style="list-style-type: none"> <li>• Using modal verbs in writing</li> <li>• Retelling a story in complete, complex sentences</li> </ul>	<p><b>Informational Text Structures:</b></p> <p>Utilize the following text features in a research project about the 13 Colonies:</p> <ul style="list-style-type: none"> <li>• Graphics</li> <li>• Titles/Subtitles</li> <li>• Index, Glossary</li> <li>• Captions</li> </ul> <p>Determine, know the difference and utilize different sentence structures:</p> <ul style="list-style-type: none"> <li>• Simple subjects</li> <li>• Simple predicates</li> <li>• Compound subjects</li> <li>• Compound predicates</li> <li>• Complete subjects</li> <li>• Complete predicates</li> </ul>	<p><b>Government and Politics: Minnesota &amp; Germany</b></p> <ul style="list-style-type: none"> <li>• Examine government structures and systems in Minnesota and Germany, including branches of government and writing laws</li> </ul>	<p><b>Continuation &amp; finishing Unit 4: Fraction and Decimal Addition and Subtraction</b></p> <p><b>Unit 5: 2-Dimensional Geometry &amp; Unit 6: 3-Dimensional Solids</b></p> <ul style="list-style-type: none"> <li>• Determine the area of triangles and quadrilaterals</li> <li>• Determine the surface area and volume of rectangular prisms in various contexts</li> </ul>	<p><b>Forces &amp; Motion, Levers, Simple and Complex Machines</b></p> <ul style="list-style-type: none"> <li>• Identify and investigate the forces related to Motion and changes in Motion</li> <li>• Investigate Levers and other Simple Machines</li> <li>• Examine Complex machines</li> </ul>

<p><b>March</b></p>	<p><b>Entrepreneurs Day: child labor, wealth and poverty</b> (partner with Social Studies)</p> <ul style="list-style-type: none"> <li>Understand academic vocabulary related to business and trade</li> <li>Practice using personal pronouns correctly (his, her, their, etc.)</li> </ul>	<p><b>Fiction Book Unit: Holes</b></p> <ul style="list-style-type: none"> <li>Identifying points of view</li> <li>Review how a character develops and changes</li> <li>Summarizing</li> <li>Making predictions</li> <li>Identify types of sentences</li> <li>Identify different types of sentences structures</li> </ul>	<p><b>Economics</b></p> <ul style="list-style-type: none"> <li>Experiment with basic concepts of marketing and budgets, including income and revenue, through Entrepreneurs' Day projects</li> </ul>	<p><b>Unit 5: 2-Dimensional Geometry &amp; Unit 6: 3-Dimensional Solids</b></p> <ul style="list-style-type: none"> <li>Describe, classify, and draw representations of three-dimensional figures</li> </ul>	<p><b>Maps and Landforms, Renewable and Non-Renewable Energy Sources</b></p> <ul style="list-style-type: none"> <li>Investigate what role weathering, erosion and deposition play in changing the Earth's surface</li> <li>Understand the role of tectonic plates and how volcanoes &amp; earthquakes can change landforms.</li> </ul>
<p><b>April</b></p>	<p><b>Fiction Book: <i>Der Sprachabschneider</i></b></p> <ul style="list-style-type: none"> <li>Investigate parts of speech (prepositions, pronouns, articles, suffixes)</li> </ul> <p><b>Independent Book Groups</b></p> <ul style="list-style-type: none"> <li>Identifying descriptive language (adjectives and adverbs)</li> </ul>	<p><b>Fiction Book Unit: <i>Chains</i></b></p> <ul style="list-style-type: none"> <li>Practicing finding themes</li> <li>Summarize a section of reading</li> <li>Compare and contrast historical fiction to a primary source</li> </ul> <p>Nonfiction reading: Slavery, Noted Black Americans, <i>The Diary of a Slave Girl</i></p>	<p><b>World Religions</b></p> <ul style="list-style-type: none"> <li>Learn about history, practices and productions of the major world religions: Islam, Judaism, Christianity, Hinduism and Buddhism</li> <li>Discuss with faith leaders in the world religions during school visits</li> </ul>	<p><b>Continuation &amp; finishing Unit 5: 2-Dimensional Geometry &amp; Unit 6: 3-Dimensional Solids</b></p> <p><b>Unit 7: Patterns, Functions and Change</b></p> <ul style="list-style-type: none"> <li>Recognize and represent patterns of change</li> <li>Use patterns, tables, graphs and rules to solve real-world and mathematical problems</li> </ul>	<p><b>Renewable and Non-Renewable Energy Sources, Natural Resources, Minerals</b></p> <ul style="list-style-type: none"> <li>Identify renewable and non-renewable energy and material resources and understand how they are used by humans</li> <li>Examine the impact of our choices on the natural world</li> </ul>
<p><b>May</b></p>	<p><b>Tall Tales and Made-Up Stories</b></p> <ul style="list-style-type: none"> <li>Using descriptive language in writing</li> <li>Using comparative language</li> </ul>	<p><b>Fiction Book Unit: <i>Chains cont.</i></b></p> <ul style="list-style-type: none"> <li>Understanding the American Revolution</li> <li>Summarize a section of reading.</li> <li>Review conflict in a story</li> <li>Compare and contrast historical fiction to a primary source</li> </ul> <p>Final Project: recognizing Black achievements in History</p>	<p><b>Human Rights &amp; Children's Rights</b></p> <ul style="list-style-type: none"> <li>Understand cultural differences and traditions around the globe</li> <li>Examine the United Nations' Human Rights and importance to daily life</li> </ul>	<p><b>Continuation Unit 7: Patterns, Functions and Change</b></p> <ul style="list-style-type: none"> <li>Use properties of arithmetic to generate equivalent numerical expressions and evaluate expressions involving whole numbers</li> </ul> <p><b>Data Project</b></p>	<p><b>Scientific Prefixes/Suffixes. Introduction to Chemistry</b></p> <ul style="list-style-type: none"> <li>Investigate Scientific prefixes and suffixes and examine how these can be used to decipher more complex words</li> <li>Investigate Atoms as the basic building block of all matter</li> </ul>
<p><b>June</b></p>	<p><b>Making Plans and Keeping in Touch</b></p> <ul style="list-style-type: none"> <li>Future and present tense</li> <li>Letter Writing in German</li> </ul>	<p><b>Year Wrap up</b></p> <ul style="list-style-type: none"> <li>Demonstrate learning: make a board game based on a topic from this year.</li> <li>Write constructive advice to next year's 5th grade class.</li> </ul>	<p><b>Review</b></p> <ul style="list-style-type: none"> <li>Review the school year's units</li> </ul>	<p><b>Continuation &amp; finishing Unit 7: Patterns, Functions and Change</b></p> <ul style="list-style-type: none"> <li>Understand and interpret equations and inequalities involving variables and whole numbers, and use them to represent and solve real-world and mathematical problems</li> </ul>	<p><b>Design &amp; Engineering (as time permits):</b></p> <ul style="list-style-type: none"> <li>Use the engineering design process to solve a specific problem</li> </ul>