

# TCGIS Family Overview Map

## Core Subjects, 6th 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
September	<b>1-Minute Speech &amp; Dictionary Work</b> <ul style="list-style-type: none"> <li>Talk about personal object and own experiences</li> <li>Learn how to use (online) dictionaries and revise key grammatical terms</li> </ul>	<b>The Birchbark House unit</b> <ul style="list-style-type: none"> <li>Determine how a character develops over time</li> <li>Understand Ojibwa culture and history</li> <li>Understand how treaties work</li> <li>Use evidence from the text to support claims</li> </ul> <p><i>Text: The Birchbark House</i>  <i>Nonfiction reading: Ojibwa Culture &amp; History, treaty rights</i></p>	<b>History - Renaissance, American First Nations, and European Expansion</b> <ul style="list-style-type: none"> <li>Understand economic connections around the globe leading from the Middle Ages into Colonialism</li> <li>Discover the diversity in America's First Nations</li> </ul>	<b>Fraction Multiplication and Division</b> <ul style="list-style-type: none"> <li>Multiply and divide fractions and mixed numbers; solve real-world and mathematical problems using arithmetic with positive rational numbers</li> </ul>	<b>Matter</b> <ul style="list-style-type: none"> <li>Define the properties of matter</li> <li>Explain density, dissolving, compression, diffusion and thermal expansion based on the properties of matter</li> </ul>
October	<b>Crime and Detective Stories</b> <ul style="list-style-type: none"> <li>My favorite detective</li> <li>Read detective stories</li> <li>Write a detective story</li> </ul>	<b>Birchbark House/ The Danger of a Single Story</b> <ul style="list-style-type: none"> <li>The importance of reading diverse books</li> <li>Nonfiction reading related to lit circle texts</li> <li>Review of summarizing and plot structure</li> </ul> <p>Texts (students will choose one): <i>The New Kid</i>, <i>I Am Malala (YRE)</i>, <i>One Crazy Summer</i>, <i>Out of My Mind</i>, <i>A Good Kind of Trouble</i>, <i>Inside Out and Back Again</i></p> <b>History Day:</b> <ul style="list-style-type: none"> <li>Introduction to project</li> <li>Theme exploration</li> <li>Topic selection</li> </ul>	<b>History - Absolutism and the Age of Revolution</b> <ul style="list-style-type: none"> <li>Examine the development of democratic thoughts and processes out of Absolutism from the English Revolution and the US War of Independence</li> <li>Recognize the ideals of human rights and equality from the French and German Revolutions</li> </ul>	<b>Fraction Multiplication and Division</b> <b>Two Dimensional Geometry</b> <ul style="list-style-type: none"> <li>Calculate perimeter, area, surface area and volume of 2 and 3 dimensional figures to solve real-world and mathematical problems</li> </ul>	<b>Matter</b> <ul style="list-style-type: none"> <li>Demonstrate that mass is conserved during physical changes</li> <li>Differentiate between an open and a closed system</li> </ul> <b>Movement</b> <ul style="list-style-type: none"> <li>Estimate and calculate distance, volume and weight within the International System</li> <li>Measure and calculate speed</li> </ul>

<p><b>November</b></p>	<p><b>My favorite German book</b></p> <ul style="list-style-type: none"> <li>• Present main contents and excerpts of self-selected texts for personal enjoyment, interest and academic tasks</li> </ul>	<p><b>Narrative Writing</b></p> <ul style="list-style-type: none"> <li>• Brainstorm ideas for writing</li> <li>• Write personal narratives using the writing process</li> <li>• Use feedback to revise writing</li> </ul> <p><b>History Day:</b></p> <ul style="list-style-type: none"> <li>• Gather project sources</li> <li>• Write Process Paper paragraph 4</li> </ul>	<p><b>History - Founding of Minnesota and Immigration to the United States</b></p> <ul style="list-style-type: none"> <li>• Learn about immigrant populations of Minnesota, particularly German-Americans during the 1800s</li> <li>• Connect migration to Minnesota to other movements in history and today</li> </ul>	<p><b>Two Dimensional Geometry</b></p> <ul style="list-style-type: none"> <li>• Understand and use relationships between angles in geometric figures</li> </ul>	<p><b>Movement</b></p> <ul style="list-style-type: none"> <li>• Graph position and speed over time</li> <li>• Use Newton's laws of motion to explain how the application of a force results in motion</li> </ul>
<p><b>December</b></p>	<p><b>Novel: „Das fliegende Klassenzimmer“ (The flying classroom)</b></p> <ul style="list-style-type: none"> <li>• Learn and try out various reading techniques</li> <li>• Read, understand, and react to a native-level novel</li> </ul>	<p><b>Shakespeare's Sonnets</b></p> <ul style="list-style-type: none"> <li>• Determine the form and structure of a sonnet</li> <li>• Review figurative language</li> <li>• Analyze sonnets</li> <li>• Rewrite sonnets in our own words</li> </ul> <p><b>History Day:</b></p> <ul style="list-style-type: none"> <li>• Identify the 5 sections of a History Day project</li> <li>• Begin research</li> </ul>	<p><b>History - The German Empire</b></p> <ul style="list-style-type: none"> <li>• Examine the rise of the German Empire in the late 1800s</li> <li>• Learn about Industrialization in Germany and around the globe</li> </ul>	<p><b>Two Dimensional Geometry</b></p> <ul style="list-style-type: none"> <li>• Choose appropriate units of measurement and use ratios to convert within measurement systems to solve real-world and mathematical problems</li> </ul>	<p><b>Waves</b></p> <ul style="list-style-type: none"> <li>• Categorize waves into mechanical and electromagnetic waves</li> <li>• Demonstrate how frequency and amplitude influence each other</li> </ul>
<p><b>January</b></p>	<p><b>Arguments and debates</b></p> <ul style="list-style-type: none"> <li>• Prepare and hold debates with structured arguments</li> <li>• Write an opinion letter with structured arguments</li> </ul>	<p><b>Pourquoi stories</b></p> <ul style="list-style-type: none"> <li>• What is a Pourquoi Story?</li> <li>• Set a structure for writing</li> <li>• Write a clear beginning, middle + end</li> <li>• Use feedback to revise</li> </ul> <p><b>History Day:</b></p> <ul style="list-style-type: none"> <li>• Write drafts of project text</li> <li>• Write Process Paper paragraph 2</li> </ul>	<p><b>Geography: United States &amp; the European Union</b></p> <ul style="list-style-type: none"> <li>• Recognize the political and physical geography of different European Union member states</li> <li>• Explain the development of economic and political centers depending on available resources</li> </ul>	<p><b>Decimal Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>• Multiply and divide decimals, solve real-world and mathematical problems using arithmetic with positive rational numbers</li> </ul>	<p><b>Waves - Sound waves vs. light waves</b></p> <ul style="list-style-type: none"> <li>• Explain the transmission of soundwaves through matter</li> <li>• Predict the angle of light reflection</li> </ul>
<p><b>February</b></p>	<p><b>Grimm's Fairy Tales</b></p> <ul style="list-style-type: none"> <li>• Listen to, read and retell fairy tales</li> <li>• Write own fairy tale</li> </ul>	<p><b>Reading <i>Esperanza Rising</i></b></p> <ul style="list-style-type: none"> <li>• Determine theme</li> <li>• Use inferences to predict</li> <li>• Identify how characters change</li> </ul> <p><b>History Day:</b></p> <ul style="list-style-type: none"> <li>• Final project assembly</li> <li>• Write Process Paper paragraph 3</li> </ul>	<p><b>Government and Politics: US Federal &amp; European Union</b></p> <ul style="list-style-type: none"> <li>• Understand the development of the European Union as an economic and political entity</li> <li>• Investigate the government structure and system at the US Federal level as compared to</li> </ul>	<p><b>Variables and Patterns: Introducing Algebra</b></p> <ul style="list-style-type: none"> <li>• Recognize and represent relationships between varying quantities; translate from one representation to another; use patterns, tables, graphs and rules to solve real-world and mathematical problems</li> <li>• Understand and interpret</li> </ul>	<p><b>Energy - Introduction of the Rube-Goldberg-project</b></p> <ul style="list-style-type: none"> <li>• Name different forms of energy and categorize them</li> <li>• Define the converters of energy in energy-conversion-chains</li> </ul>

			those of the European Union	equations and inequalities involving variables and positive rational numbers	
<b>March</b>	<b>Diversity in Germany</b> <ul style="list-style-type: none"> <li>Read and understand refugee / migrant stories from Germany</li> <li>Learn about youth migration in Europe</li> <li>Connect refugee/migrant experience from Germany to US</li> </ul>	<b>Poetry March Madness!</b> <ul style="list-style-type: none"> <li>Review figurative language</li> <li>Identify poem structure</li> <li>Analyze poetry</li> <li>Choose a preferred poem; use rationale to support your pick!</li> </ul>	<b>Economics</b> <ul style="list-style-type: none"> <li>Review basic concepts of marketing and budgets through Entrepreneurs' Day projects</li> <li>Analyze the movement of services and products locally and globally</li> </ul>	<b>Variables and Patterns: Introducing Algebra</b> <b>How Likely Is It: Probability</b> <ul style="list-style-type: none"> <li>Use probabilities to solve real-world and mathematical problems; represent probabilities using fractions, decimals and percents</li> </ul>	<b>Energy</b> <ul style="list-style-type: none"> <li><i>Explain</i> how heat energy is transmitted through convection, conduction and radiation</li> </ul> <b>Rube-Goldberg-Project due</b> the week after parent teacher conferences
<b>April</b>	<b>German Poems and Ballads</b> <ul style="list-style-type: none"> <li>Read and understand German poems such as Goethe's "Der Zauberlehrling"</li> <li>Write own poems in German</li> <li>Recite longer poem</li> </ul>	<b>Persuasive Writing</b> <ul style="list-style-type: none"> <li>Understand how to make a strong argument</li> <li>Write clear topic &amp; concluding sentences</li> <li>Use transition words to support writing</li> <li>Use feedback to revise writing</li> </ul>	<b>Social Sciences</b> <ul style="list-style-type: none"> <li>Understand the many, differing fields in the Social Sciences through a Social Science Project</li> <li>Present projects at Social Science Fair</li> </ul>	<b>Continued: How Likely Is It: Probability</b>  <b>Comparing and Scaling: Ratios, Proportions, and Percents</b> <ul style="list-style-type: none"> <li>Understand the concept of ratio and its relationship to fractions and to the multiplication and division of whole numbers. Use ratios to solve real-world and mathematical problems</li> </ul>	<b>Engineering</b> <ul style="list-style-type: none"> <li>Analyse the impacts of systems on daily life (e.g. cell phones)</li> <li>Assess the pros and cons of airbags and seatbelts and realize that no system is perfect</li> </ul>
<b>May</b>	<b>A2 Testing</b> <ul style="list-style-type: none"> <li>Prepare for A2 Testing in reading, listening, writing, and speaking</li> <li>Write personal letters / emails</li> <li>Talk about family, school, hobbies, and other personal topics</li> </ul>	<b>Reading <i>Home of the Brave</i></b> <ul style="list-style-type: none"> <li>Determine mood and tone: how this affects the story</li> <li>Review using text evidence to support claims</li> </ul> Nonfiction reading on immigration & refugees	<b>Climate Change</b> <ul style="list-style-type: none"> <li>Discover the interaction between humans and environment</li> <li>Examine political movements and economic practices with impact on the environment in connection with Waldsee / BioHaus trip</li> </ul>	<b>Comparing and Scaling: Ratios, Proportions, and Percents</b> <ul style="list-style-type: none"> <li>Understand the concept of ratio and its relationship to fractions and to the multiplication and division of whole numbers. Use ratios to solve real-world and mathematical problems</li> </ul>	<b>Engineering</b> <ul style="list-style-type: none"> <li>Implement the importance of learning from past failures (35W crash/ Space Shuttle crash) when building a bridge with popsicle sticks</li> <li>Document this engineering design process</li> </ul>
<b>June</b>	<b>Varieties of German</b> <ul style="list-style-type: none"> <li>Learn about different varieties of German, common words and phrases</li> <li>Learn popular German idioms and about the difference between their literal and figurative meanings</li> </ul>	<b>Year wrap up</b> <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 about History Day to next year's 6th grade class.</li> </ul>	<b>Review</b> <ul style="list-style-type: none"> <li>Review the school year's units</li> <li>Participate in the ZfA's German competition</li> </ul>	<b>Comparing and Scaling: Ratios, Proportions, and Percents</b> <ul style="list-style-type: none"> <li>Understand the concept of ratio and its relationship to fractions and to the multiplication and division of whole numbers. Use ratios to solve real-world and mathematical problems</li> </ul>	<b>Engineering</b> <ul style="list-style-type: none"> <li>Contrast trade-offs in using manufactured products in terms of features, performance, durability and cost</li> </ul>