



## Fourth Grade Curriculum at a Glance

Hebron Public Schools provide a well-designed, integrated, and vertically aligned curriculum supported through student-centered instruction, aligned assessments, student support and enrichment. Students are engaged in meaningful tasks demonstrating academic and artistic excellence, and innovation. Core general education practices include comprehensive curriculums in key academic areas, effective instructional strategies, the use of carefully selected materials that reflect diverse religious, ethnic, and cultural groups, creation and maintenance of a positive and safe school climate, and an extensive system of social-emotional learning, paired with tiered academic and behavioral supports. Throughout each content area, careful consideration is given to curate classroom materials and texts that are high-quality, culturally responsive, and richly diverse, to offer our students valuable opportunities to affirm their own identities, while developing understanding of various cultures and perspectives. Students are inspired to be resilient, confident, respectful, and prepared to discover and follow their dreams. The curriculum of Hebron Public Schools reflects ongoing review, revision and integration of our programs, resources, and teaching and learning experiences.

## Literacy Overview

Hebron students experience literacy in a research-based workshop model that provides personalized instruction, promotes advocacy, goal setting, choice, and reflection. Readers and writers grow in independence, stamina, and artistic craft by studying mentor texts, purposeful selection of reading and writing strategies, peer collaboration, and application of skills across genres and contexts.

Reading Unit	Learning Outcomes Students Will....
Up the Ladder Fiction and Nonfiction	<ul style="list-style-type: none"><li>• learn and apply strategies to make meaning from fiction and nonfiction texts.</li><li>• identify strategies to name the central/main ideas and supporting details of their texts.</li></ul>

Interpreting Characters: The Heart of the Story	<ul style="list-style-type: none"> <li>● continue to use envisioning as a comprehension strategy.</li> <li>● include relevant information in whole-text summaries.</li> <li>● grow significant text-based ideas about characters.</li> <li>● connect ideas and form deep interpretations about characters using evidence from across an entire text.</li> </ul>
Details and Synthesis: Close Reading of Fiction	<ul style="list-style-type: none"> <li>● grow deeper ideas about character.</li> <li>● use character analysis to help develop themes.</li> <li>● compare and contrast characters, themes, and points of view across different texts.</li> </ul>
Reading the Weather, Reading the World	<ul style="list-style-type: none"> <li>● consider the ways nonfiction becomes more complex.</li> <li>● identify main ideas and supporting details.</li> <li>● engage in research projects examining subtopics of different weather events.</li> </ul>
Historical Fiction Book Clubs	<ul style="list-style-type: none"> <li>● explore the genre of historical fiction with emphasis on the impact of setting.</li> <li>● deepen their interpretation of complex texts through collaborative book club conversations.</li> <li>● read relevant nonfiction to deepen their background knowledge and understanding of their historical fiction texts.</li> </ul>

Writing Unit	Learning Outcomes Students Will...
Up the Ladder: Narrative and Informational	<ul style="list-style-type: none"> <li>● reinforce the structure and expectations of the writing workshop.</li> <li>● engage in multiple opportunities to write and revise making deliberate decisions about what strategies to use.</li> <li>● use a variety of tools and supports including checklists, progressions, partner talks, and conferences to further develop their writing.</li> </ul>
Arc of Story	<ul style="list-style-type: none"> <li>● collect seed ideas to develop stories and characters that feel real.</li> <li>● develop internal and external character traits, including wants, needs, and motivations.</li> <li>● use the story arc as a planning tool to include all story elements of character, setting, plot and resolution.</li> <li>● draft, revise, edit, publish and celebrate their writing pieces as a community of writers.</li> </ul>
Boxes and Bullets	<ul style="list-style-type: none"> <li>● engage in an inquiry of mentor texts to determine what makes for strong opinion writing.</li> <li>● gather ideas for opinion writing and write thesis statements on these opinions.</li> <li>● collect evidence to support reasons for their stated opinions.</li> </ul>

	<ul style="list-style-type: none"> <li>learn to write well within an expository structure (introductions, conclusion, claims, reasons, evidence, transitions).</li> </ul>
Literary Essay	<ul style="list-style-type: none"> <li>write structured essays, making and supporting claims with relevant evidence.</li> <li>write compare and contrast essays that analyze different author's craft techniques including point of view, interpretation, and emphasis.</li> <li>demonstrate knowledge of essay structure with introductions, conclusions, and body paragraphs containing evidence from throughout their text.</li> </ul>
Graphic Novel Writing	<ul style="list-style-type: none"> <li>develop a narrative story idea through the writing process.</li> <li>engage in an inquiry of mentor texts to develop an understanding of the graphic novel format.</li> <li>build an understanding of the graphic novel format by sketching, book mapping, and cartooning.</li> <li>use deliberate word choice and dialogue.</li> </ul>

## Mathematics Overview

Hebron Public Schools utilize the Bridges in Mathematics program which provides a rigorous, coherent, engaging, and accessible curriculum to all learners. Using a variety of independent, small group and whole class problem centered activities, students develop a deep understanding of key mathematical concepts, proficiency with key skills and the ability to solve complex math problems. Concepts are presented in diverse ways including direct instruction, structured investigation, and open exploration. Students develop mathematical efficiency as they work to make sense of problems and persevere in solving them.

Math Unit	Learning Outcomes Students Will...
Multiplicative Thinking	<ul style="list-style-type: none"> <li>focus on models, strategies and multiplicative comparisons.</li> <li>interpret products and quotients of whole numbers.</li> <li>multiply and divide within 100 to solve story problems.</li> <li>determine unknown whole numbers in multiplication and division equations.</li> <li>apply properties of operations as strategies to multiply and divide.</li> <li>multiply and divide within 100 with fluency.</li> </ul>
Multi-Digit Multiplication and	<ul style="list-style-type: none"> <li>deepen their understanding of multiplication and division.</li> <li>apply number sense to develop useful models and mental</li> </ul>

Early Division	strategies to multiply and divide with increased efficiency.
Fractions and Decimals	<ul style="list-style-type: none"> <li>• model, read, write, compare, order, compose, and decompose fractions and decimals.</li> </ul>
Addition, Subtraction, and Measurement	<ul style="list-style-type: none"> <li>• think critically about the most efficient strategies to use when adding and subtracting multi-digit numbers.</li> <li>• explore different strategies including give and take, constant difference, and ratio tables.</li> </ul>
Geometry and Measurement	<ul style="list-style-type: none"> <li>• develop the vocabulary of geometry.</li> </ul>
Multiplication and Division, Data and Fractions	<ul style="list-style-type: none"> <li>• understand the many connections between multiplication and division.</li> <li>• model and solve problems, share and explain strategies.</li> <li>• interpret remainders in division based on context.</li> <li>• use arrays and ratio tables to model and solve multiplication and division problems.</li> </ul>
Reviewing and Extending Fractions, Decimals and Multi-Digit Multiplication	<ul style="list-style-type: none"> <li>• identify and generate equivalent fractions.</li> <li>• compare fractions with unlike numerators and denominators.</li> </ul>

### Social Emotional Learning Overview

Hebron Public Schools use The Choose Love Program to support our Social Emotional Curriculum. The Choose Love Formula teaches the foundational concepts and skills of social and emotional learning (SEL), and is informed by current brain research and neuroscience. Through the Choose Love lessons, the whole child—mind, heart, and body—is supported. Special attention is paid to how our physical bodies (nerves, muscles, etc.), minds (the triune brain), and hearts (emotions) work in collaboration to promote health, learning, connection, and life success. The curriculum is divided into four units: Courage, Gratitude, Forgiveness, and Compassion in Action. Choosing love means having the courage to be grateful when life isn't easy, to forgive when the person who hurt you isn't sorry, and to step outside of your own pain to help someone else.

SEL	Learning Outcomes Students Will...
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Courage	<ul style="list-style-type: none"> <li>learn that courage is needed to express our feelings, make ethical choices, tell the truth, admit mistakes, ask for forgiveness, and to be kind.</li> </ul>
Gratitude	<ul style="list-style-type: none"> <li>recognize that gratitude is mindful thankfulness and the ability to be thankful even when things in life are challenging.</li> </ul>
Forgiveness	<ul style="list-style-type: none"> <li>learn how to choose to let go of anger and resentment towards self and others, to surrender thoughts of revenge, and to move forward with personal power intact.</li> </ul>
Compassion In Action	<ul style="list-style-type: none"> <li>learn how to develop empathy and communication skills to support one another, including those from diverse backgrounds and other cultures, through compassionate action.</li> </ul>

### Social Studies Overview

In Social Studies, our fourth grade students focus on United States Geography as it relates to the regional, cultural, economic and political development of the United States. Our curriculum seeks to integrate the disciplines of civics, economics, geography, and history through an inquiry-based instructional approach.

Social Studies	Learning Outcomes Students Will...
Map Reading Skills	<ul style="list-style-type: none"> <li>identify ways that a study of geography is important in the study of any region.</li> <li>analyze how the study of various regions of a country contributes to an overall understanding of that country.</li> <li>examine properties of different maps and globes.</li> <li>identify the different types of maps and the purpose for each type.</li> </ul>
Northeast Region Mid-Atlantic Region Southeast Region Midwest Region Southwest Region	<ul style="list-style-type: none"> <li>examine why proximity to water was so important for settlement in the region.</li> <li>analyze the impact of rivers and waterways on a region's economy.</li> <li>evaluate why people have moved to and from a particular region.</li> <li>identify geographic features that caused peoples to migrate to a particular region of the United States.</li> <li>explore reasons for and results of development of large cities in the region.</li> <li>analyze how geography and climate have affected the</li> </ul>

West Region	development of economic and social institutions of this region. <ul style="list-style-type: none"> <li>• examine historical examples where geography and climate have had a severe impact on the region.</li> <li>• identify geographic and climatic challenges that people of a particular face.</li> </ul>
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## Science Overview

Hebron Public Schools utilize the Mystery Science Program in Grades 3 - 5 to support our Science Curriculum. Students participate in an inquiry-based approach that poses questions at the beginning of each lesson in the form of a mystery that students work together and solve. Students use a variety of tools including analyzing photos and videos, conducting hands-on activities, and creating scientific models. Students focus on creating claims and providing evidence based on experts, their own background information, or classroom experiments to prove their claims.

Science Unit	Learning Outcomes Students Will....
Energizing Everything	<ul style="list-style-type: none"> <li>• study energy and electricity.</li> <li>• understand the basic principles of electricity.</li> </ul>
Human Machines	<ul style="list-style-type: none"> <li>• compare and contrast machines to human bodies.</li> <li>• identify different structures and functions of the human body.</li> <li>• investigate how the brain responds to stimuli.</li> </ul>
Waves of Sound	<ul style="list-style-type: none"> <li>• study patterns in sound waves.</li> <li>• understand how sound works.</li> </ul>
Birth of Rocks	<ul style="list-style-type: none"> <li>• explore weathering and erosion.</li> <li>• investigate features, functions, and processes of the Earth's surface.</li> </ul>

*For any questions regarding curriculum and instruction, please reach out to Alexandra Canniff at Gilead Hill School (860-228-9458) or Julia Clark at Hebron Elementary School (860-228-9465).*