Fifth 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....
Interpretation Book Clubs: Analyzing Themes	• study mentor texts to discover new ways to lift the level of their writing about reading. • think and write analytically about the texts they are reading, growing ideas and using text evidence to support their thinking,

	comprehension and writing. ● grow ideas about multiple themes across one text, tracking how themes change and evolve along with the plotline. ● compare and contrast the ways themes can be developed across different texts. ● understand that authors make deliberate craft decisions, using specific techniques to achieve their goals.
Text Complexity	● study the ways texts become increasingly complex and challenging. ● develop skills and strategies to tackle increasing complexity in nonfiction. ● research a topic of personal interest, discovering patterns, main ideas and details significant to their topic. ● synthesize information across different texts, comparing, contrasting, and questioning the texts they are reading to develop a deeper understanding of their topic. ● write about their reading to enhance comprehension, and share their learning with others.
Argument and Advocacy	● use what they have learned about reading complex nonfiction to research and make arguments about debatable issues. ● read and analyze arguments in a critical way in order to listen, summarize and respond. ● consider perspective and craft while evaluating argumentative text. ● engage in conversation with their texts, annotating the ideas and information, and critically analyzing claims, reasons and evidence. ● read with the awareness that texts are written to get readers to feel certain emotions. ● synthesize information across related texts to develop their opinions on a particular topic. ● draw flexibly on evidence across texts, quoting and citing sources to strengthen their debate positions. ● see the connection between studying an issue and engaging in advocacy.
Fantasy Book Clubs	● use different writing tools (maps, timelines, lists, etc.) to track the central character across settings, secondary characters and problems and events. ● suspend judgment of characters and events to make sense of more complicated narratives. ● focus on the internal and external quest of their characters. ● compare characters and themes across fantasy novels as well as themes that play out in historical events. ● read related nonfiction to grow a deeper understanding and build knowledge of factual references in their novels.

	• consider the potential meaning of symbols, metaphors, and allegory within their novel and across novels. • read critically with the lens of representation noting, "How are different subgroups portrayed in our novels?"

Writing Unit	Learning Outcomes Students Will...
Narrative Craft	• draw on their repertoire of strategies to make deliberate decisions about narrative writing, including planning and crafting stories, editing, revising, and setting personal goals. • work to write in the point of view and descriptive details that bring their stories alive and carry significance. • use craft and revision to communicate the significance of their narratives. • use mentor texts to try elevated craft moves in their own writing.
Literary Essay	• craft claims that can be supported with reasons and evidence across texts, both narrative and non-narrative. • grow strong interpretations that are grounded in text. • write well structured, evidence -based opinion pieces across a variety of text types. • include angled "mini stories" highlighting key points that support their claims. • transfer their literary essay skills to opinion and argument writing
Lens of History Research	• complete research on a topic in history. • rank facts and information. • synthesize facts from a variety of sources. • craft a well organized history paper with the goal of teaching others about the topic.
Research Based Argument Writing	• study opposing sides of a debatable issue, weighing evidence, and planning their own arguments to defend. • participate in debates armed with evidence and logic, staking claims and backing claims with reasons and evidence. • explore different note taking systems to gain more knowledge on their debate topic noting both perspective and conflicting information. • consider counterclaims and perspective when preparing for debate. • craft an argument essay of their choosing, with the aim of persuading others to their point of view.
Writing Fantasy Short Stories	• study the elements of a fantasy story. • use archetypes of fantasy to develop characters.

	• consider how the setting in a fantasy story affects the events, and design an appropriate fantasy setting. • craft a fantasy story with a problem and solution, appropriate character development, and a fantasy setting.

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…
Expressions, Equations, and Volume	• work with volume to review and extend concepts learned in fourth grade including the area model, ratio tables, and equations. • use the ratio table model to build multiplicative thinking and proportional reasoning. • write and evaluate numerical expressions with parentheses. • find the volume of right rectangular prisms.
Adding and Subtracting Fractions	• add and subtract fractions with unlike denominators, including mixed numbers. • solve story problems, both addition and subtraction, involving fractions with unlike denominators. • make estimates and determine the reasonableness of answers to problems that involve adding fractions with unlike denominators.
Place Value and Decimals	• understand fractions as quotients (the result of a division problem). • begin to develop an understanding of the relationship between fractions and decimals. • read and write decimals to the thousandths. • compare decimals to the thousandths. • round decimals to the nearest one, tenth and hundredth.
Multiplying and Dividing Whole Numbers and	• multiply multi-digit whole numbers. • divide 2, 3, and 4 digit whole numbers by 2 digit whole numbers using strategies based on place value, the properties of

Decimals	operations, and/or the relationship between multiplication and division. • use equations, rectangular arrays, or area models to explain strategies for dividing multi-digit whole numbers.
Multiplying and Dividing Fractions	• extend understanding of multiplication and division to working with fractions. • divide unit fractions by whole numbers, and whole numbers by unit fractions. • compute products and quotients involving whole numbers and fractions, using visual models to represent and solve problems. • multiply whole numbers by fractions and fractions by fractions in isolation, as well as in story problems. • find the area of a rectangle with fractional side lengths. • use visual models to represent division of whole numbers by unit fractions, and unit fractions by whole numbers. • divide whole numbers by unit fractions and unit fractions by whole numbers in isolation, as well as in story problems.
Graphing, Geometry, and Volume	• work within the coordinate system to identify x and y axes, graph ordered pairs on a coordinate plane, and graph points on the coordinate plane to represent a problem. • solve story problems using multiplication of fractions and mixed numbers. • classify two dimensional figures based on their attributes.
Division and Decimals	• multiply and divide decimals to hundredths and explain the reasoning behind the strategies utilized. • recognize that in multi-digit numbers, a digit in one place is 10x the value of the digit to its left, and 1/10 the value of the digit to its right. • denote powers of 10 with whole number exponents

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
Courage	• learn that courage is needed to express our feelings, make ethical choices, tell the truth, admit mistakes, ask for forgiveness, and to be kind.
Gratitude	• recognize that gratitude is mindful thankfulness and the ability to be thankful even when things in life are challenging.
Forgiveness	• 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.
Compassion In Action	• learn how to develop empathy and communication skills to support one another, including those from diverse backgrounds and other cultures, through compassionate action.

Social Studies Overview

Fifth grade students engage in the study of early events in United States History from indigenous peoples here prior to colonization through the American Revolution. The fifth grade Social Studies curriculum works to actively integrate the disciplines of civics, economics, geography, and history through an inquiry-based instructional approach.

In addition, fifth grade students have the opportunity to participate in the national award winning civics program, Kid Governor. This program promotes informed action through civic participation, illustrating that people of all ages can participate in our democratic society.

Social Studies	Learning Outcomes
European Explorers and the Age of Exploration	• identify key technological advances that led to the Age of Exploration. • analyze the contributions made by famous explorers.
Early settlements and Relationships with Indigenous peoples	• examine the relationships between the earliest European settlers and Indigenous people of North America. • examine the events that led to successes or failures of early settlements (Roanoke, Jamestown, Plymouth).
The Thirteen	• identify the thirteen original colonies.

Colonies	• analyze the ways in which geography affected culture and life in the colonies. • compare life during the colonial period to life today.
The American Revolution	• explain why individuals and groups during the same historical period differed in their perspectives. • explain probable causes and effects of events and developments. • identify core civic virtues and democratic principles that guide government, society, and communities.

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....
Web of Life	• explore how organisms form an interconnected ecosystem. • investigate food chains, food webs, producers, composers and decomposers.
Spaceship Earth	• explore the Earth, Sun, Moon, stars and planets of our Solar System. • identify patterns in the sky.
Chemical Magic	• investigate the properties of matter through exploration of chemical reactions.
Watery Planet	• consider the profound importance of water as a natural resource. • investigate the distribution of water and how it cycles through Earth's systems. • explore how water affects the human systems.

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).