



# Hartland School

## Grade 5 Curriculum at a Glance

Our curriculum is designed to **Educate for Excellence** as we *inspire & guide* students to:

- Be responsible and respectful community members
  - Demonstrate initiative, perseverance and flexibility
- Be curious and value risk taking as part of the learning process
- Access and analyze information, ask questions and formulate opinions
  - Communicate effectively and efficiently

### Grammar- Patterns of Power

Throughout the year, students will learn how to use relative pronouns and adverbs correctly in both speech and written form. Instruction will focus on using progressive verbs to show past, present, and future and using prepositions correctly in sentences. Students will continue to work on using adverbs correctly in their writing and use subject verb agreement with first, second and third person pronouns. They will continue to correctly identify and use different homophones and correct sentence fragments and run on sentences in their writing.

When writing, students will continue to focus on writing neatly and punctuating dialogue between two or more characters. Instruction will focus on capitalizing proper adjectives, using correct capitalization, spelling words with suffixes by dropping or leaving the final e, spelling words ending in the long e sound, alphabetizing reference sources, and syllabication patterns to read and spell unfamiliar multisyllabic words in context.

### Reading Units of Study

Interpretation Book Clubs	Argument and Advocacy	Fantasy Book Clubs	Reading History- The American Revolution	Reading in the Content Areas
In this unit, students will learn to be in charge of their own learning. Students will learn to connect writing to their reading. They will learn to write so they can see more in a text- they notice more and they make more of what they see. Students will learn how to read with interpretive lenses by reading analytically and noticing the way different authors develop the same theme differently.	In this unit, students will read more complex, challenging nonfiction. Students learn to think for themselves and have an informed viewpoint. They will think about complicated issues and make decisions that will let them live more informed lives. Students will work in groups throughout the unit to research different topics and create arguments with supporting details.	In this unit, students will read fantasy texts as a means of increasing their experience with complex texts and interpretation. Students will pay close attention as they read, assuming that details do matter. They will read across novels, noticing patterns, archetypes, and themes.	In this unit, students read expository texts and narrative nonfiction. They begin with a research project about events leading up to the American Revolution. They will participate in a debate questioning the colonies' independence from Britain, gathering evidence to support their side. Students will conduct a new research project in partnerships in the time period after the Second Continental Congress.	In this unit, students read about science or social studies topics related to their current curriculum. The emphasis in this unit is on reading to gain knowledge and construct ideas.

### Writing Units of Study

Memoir	Informational Writing	Research-Based Argument Essay	Literary Essay	Lens of History: Research Reports
In this unit, students will have an opportunity to define themselves, a chance to author life stories that they can take with them as they head out into the world. Part of being a healthy, happy, fulfilled person is being able to imbue life with meaning, to see significance in your own comings and goings. In this unit, students will research and analyze the text of their own lives to find new meanings about central ideas and themes. They will study different memoir structures and choose the form that best suits the idea they want to put forth.	In this unit, students will learn about the qualities of good informational writing as they study a variety of mentor texts. They will be able to take a topic of interest and write for others across chapters and books. Students will have the chance to create texts with features unique to nonfiction which are both powerful in their ability to teach as well as grab the interest of their reader. While writing, the students will apply their knowledge about conventions and revise their work as they go.	In this unit, fifth-grade students will be expected to plan and rehearse their writing, collect and select from an abundance of specific information, assess their writing using checklists, study and emulate the work of mentor writers, and draw on a host of revision and editing strategies to improve their drafts. Students will investigate and write argument essays about whether or not chocolate milk should be served in schools. As students explore that issue, they'll read texts, both digital and print, exploring the reasons for and against flavored milk in schools. Finally, students will be asked to take a stand in the world and write another argument essay of their own choice.	In this unit, students will view reading as a more intense, analytical experience as they will be developing big ideas to share. Lessons will equip students with the tools they need to write expository essays that advance their ideas about a piece of literature. This unit relies on students' prior experiences with writing personal and persuasive essays. Students will be using powerful textual evidence to further their ideas and learn to cite their source of evidence correctly.	In this unit, students will write research reports. They will begin the unit by writing a full draft of a research report very quickly, organizing information in subsections and using all they have already learned about informational writing. Next, students will revise their draft by looking at it through various lenses. There will be opportunities to write about broad and more narrow topics throughout the course of the unit. Students will learn from other informational texts that teach information in engaging ways.

### Mathematics

Finding Volume	Fractions as Quotients and Fraction Multiplication	Multiplying and Dividing Fractions	Wrapping Up Multiplication and Division with Multi Digit Numbers	Place Value Patterns and Decimal Operations	More Decimal and Fraction Operations	Shapes on the Coordinate Plane
In this unit, students find the volume of right, rectangular prisms and solid figures composed	In this unit, students develop an understanding of fractions as the division	In this unit, students extend multiplication and division of whole numbers to multiply	In this unit, students use the standard algorithm to multiply multi-digit whole	In this unit, students build from place value understanding to recognize that in a	In this unit, students solve multi-step problems involving measurement	In this unit, students plot coordinate pairs on a coordinate grid and classify triangles and

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of two right rectangular prisms.	of the numerator and solve problems that involve the multiplication of a whole number and a fraction, including fractions greater than 1.	fractions by fractions and divide a whole number and a unit fraction.	numbers. They divide whole numbers up to four-digits by two-digits divisors using strategies based on place value and properties of operations.	multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and of what 1/10 it represents in the place to its left. They use this place value understanding to round, compare, order, add, subtract, multiply, and divide decimals.	conversions, line plots, and fraction operations, including addition and subtraction of fractions with unlike denominators. They also explain patterns when multiplying and dividing by powers of 10 and interpret multiplication as scaling by comparing products with factors.	quadrilaterals in a hierarchy based on properties of side length and angle measure. They generate, identify, and graph relationships between corresponding terms in two numeric patterns, given two rules, and represent and interpret real world and mathematical problems on a coordinate grid.

## Science Units of Study

Web of Life	Watery Planet	Spaceship Earth	Chemical Magic
In this unit, students explore how organisms depend on one another and form an interconnected ecosystem. Students investigate food chains, food webs, and the importance of producers, consumers, and decomposers.	In this unit, students consider the profound importance of water as a natural resource. Students investigate the distribution of water, how it cycles through Earth's systems, and explore how it affects human societies.	In this unit, students explore the Earth, Sun, Moon, and stars using observations of shadows and changing patterns in the sky. Students also explore the planets of our Solar System and begin to consider what might lie beyond.	In this unit, students investigate the properties of matter by dissolving everyday chemicals to make solutions and by exploring simple yet surprising chemical reactions. Through these investigations, students begin to build conceptual models for the particulate nature of matter.

## Social Studies Units of Study

Inquiry	North America Before European	The Age of European	The American Revolution	Creating a New Nation
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	Contact	Exploration and Colonization		
In this unit, students will engage in inquiry-based learning. In these weeks, students will examine how historians think and ask questions. The skills of engaging in inquiries, analyzing and evaluating sources and evidence, communicating conclusions, and taking action will be both scaffolded and developed.	In this unit, students will be learning about the vibrant societies that existed in the Americas prior to European contact. Each Indigenous tribe in North America adapted to the materials and resources around them. Students will learn more about how Indigenous governments, communication, and trade were sophisticated and complex.	In this unit, students will learn about economics. Students will be able to identify wants and needs, economic principles, activities and systems, and personal finance.	In this unit, students will learn about the events and ideas leading up to the American Revolution following the French and Indian War. Students will discuss how the proposal to involve the colonists in settling the war debt changed the course of history. The road to revolution will be studied so the students will come to an understanding that armed conflict — revolution — is the last option.	In this unit, students learn that as the ink dried on the new Constitution, the new country was ready to grow and reach its potential. People from Europe continued to migrate to America. The population increased. Ideas were exchanged and developed. America was on the move with a new government, a new century, new citizens, and new technology unlike anything the world had seen before.