



WorldWise™  
Content-based Learning

## WorldWise Informational Texts

### Guided Reading Levels KLM (20–28) Linked to Next Generation Science Grade 2 Outcomes

Title	Level*	Next Generation Grade 2 Science Standards	ELA Standards				Language
		Disciplinary Core Ideas	Reading Informational text	Reading Foundation Skills	Writing	Speaking & Listening	
<p><b>A River’s Journey</b> Describes how a river changes as it flows from high in the mountains all the way to the sea. It describes the various formations that the moving water makes, and the different animals that live in and near the river.</p>	K (20)	<p>ESS2.A Earth materials and systems ESS2.C The roles of water in Earth’s surface processes</p>	<p>RI.2.10 By the end of year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 2-3 text complexity band proficiently, with scaffolding as needed at the high end of the range.</p>	<p>RF.2.4.A Read grade-level text with purpose and understanding.</p>	<p>W.2.3 Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.</p>	<p>SL.2.1.C Ask for clarification and further explanation as needed about the topics and texts under discussion.</p>	<p>L.2.1.B Form and use frequently occurring irregular plural nouns.</p>
<p><b>Cracking, Sinking, and Bubbling Over</b> Explains how the moving earth can create earthquakes, tsunamis, sinkholes, and volcanoes.</p>	K (20)	<p>ESS1.C The history of planet earth ESS2.A Earth materials and systems ESS2.B Plate tectonics and large-scale system interactions</p>	<p>RI.2.4 Determine the meaning of words and phrases in a text relevant to a grade 2 topic or subject area.</p>	<p>RF.2.3.F Recognize and read grade-appropriate irregularly spelled words.</p>	<p>W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.</p>	<p>SL.2.1.A Follow agreed-upon rules for discussions.</p>	<p>L.2.1.D Form and use the past tense of frequently occurring irregular verbs.</p>
<p><b>Heating and Cooling: How Do Things Change?</b> Explains what happens to various foods and drinks when they are heated or cooled. It investigates changes to these foods and drinks; ones that can never be undone and ones that can be reversed.</p>	K (20)	<p>PS1.A Structure and properties of matter PS1.B Chemical reactions</p>	<p>RI.2.1 Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.</p>	<p>RF.2.3.F Recognize and read grade-appropriate irregularly spelled words.</p>	<p>W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.</p>	<p>SL.2.1.C Ask for clarification and further explanation as needed about the topics and texts under discussion.</p>	<p>L.2.4.B Form and use frequently occurring irregular plural nouns.</p>

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<b>How Do Plants Grow Here?</b> Explores the adaptations that plants that live and thrive in harsh environments have to enable them to find the water and nutrients they need, as well as survive the impact of excessive heat, cold, or other environmental stressors.	K (20)	LS2.A Independent relationships in ecosystems ESS2.C The roles of water in Earth's surface processes	RI.2.7 Explain how specific images contribute to and clarify a text.	RF.2.4.A Read grade-level text with purpose and understanding.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.A Follow agreed-upon rules for discussions.	L.2.4.E Use glossaries and beginning dictionaries, both print and digital, to determine or clarify the meaning of words and phrases.
<b>Killer Plants</b> Explains how some plants that live in poor soil meet their needs by attracting insects and digesting them.	K (20)	LS2.A Independent relationships in ecosystems	RI.2.7 Explain how specific images contribute to and clarify a text.	RF.2.4.A Read grade-level text with purpose and understanding.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.A Follow agreed-upon rules for discussions.	L.2.1.F Produce, expand, and rearrange complete simple and compound sentences.
<b>Making Work Easy</b> Explores how pulleys and levers are used separately and together to make the work of lifting and moving things easier. It provides familiar examples of tools and machines that have pulleys and/or levers in their design.	K (20)	ETS1.A Defining and delimiting engineering problems ETS1.B Developing possible solutions ETS1.C Optimizing the design solution	RI.2.6 Identify the main purpose of a text, including what the author wants to answer, explain, or describe.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.B Build on others' talk in conversations by linking their comments to the remarks of others.	L.2.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 2 reading and content, choosing flexibly from an array of strategies.
<b>Saving the Oceans</b> Discusses how our oceans are being damaged, and how this impacts marine habitats and the animals and plants that live there. It suggests ways that people can help to protect the oceans.	K (20)	LS4.D Biodiversity and humans ESS2.C The roles of water in Earth's surface processes	RI.2.1 Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.1 Write opinion pieces in which they introduce the topic or book they are writing about, state an opinion, supply reasons that support the opinion, use linking words to connect opinion and reasons, and provide a concluding statement or section.	SL.2.1.C Ask for clarification and further explanation as needed about the topics and texts under discussion.	L.2.4.C Use a known root word as a clue to the meaning of an unknown word with the same root.

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<b>Why We Need Rainforests</b> Discusses the importance of rainforests and how animals, plants, and people need rainforests to survive.	K (20)	LS4.D Biodiversity and humans	RI.2.4 Determine the meaning of words and phrases in a text relevant to a grade 2 topic or subject area.	RF.2.3.F Recognize and read grade-appropriate irregularly spelled words .	W.2.1 Write opinion pieces in which they introduce the topic or book they are writing about, state an opinion, supply reasons that support the opinion, use linking words to connect opinion and reasons, and provide a concluding statement or section.	SL.2.1.A Follow agreed-upon rules for discussions.	L.2.1.F Produce, expand, and rearrange complete simple and compound sentences.
<b>Deserts of the World</b> Explores different types of deserts by describing a hot desert (the Sahara), a cold desert (the Gobi), and a polar desert (Antarctica). It discusses what each desert is like, and the plants and animals that are able to survive in these extreme environments.	L (24)	ESS2.A Earth materials and systems	RI.2.10 By the end of year, read and comprehend informational texts, including history/ social studies, science, and technical texts, in the grades 2-3 text complexity band proficiently, with scaffolding as needed at the high end of the range.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.3 Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.	SL.2.1.B Build on others' talk in conversations by linking their comments to the remarks of others.	L.2.1.F Produce, expand, and rearrange complete simple and compound sentences.
<b>Amazing Lifetimes</b> Highlights amazing plant and animal lifetimes. Amazing growth rates, size, lifespans, and reproduction are discussed.	L (24)	LS4.D Biodiversity and humans	RI.2.2 Identify the main topic of a multiparagraph text as well as the focus of specific paragraphs within the text.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.2 Write informative/ explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.B Build on others' talk in conversations by linking their comments to the remarks of others.	L.2.1.F Produce, expand, and rearrange complete simple and compound sentences.
<b>Monster Machines</b> A report about the huge machines used in farming, mining, building, and transportation.	L (24)	ETS1.A Defining and delimiting engineering problems ETS1.B Developing possible solutions ETS1.C Optimizing the design solution	RI.2.1. Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.1 Write opinion pieces in which they introduce the topic or book they are writing about, state an opinion, supply reasons that support the opinion, use linking words to connect opinion and reasons, and provide a concluding statement or section.	SL.2.1.B Build on others' talk in conversations by linking their comments to the remarks of others.	L.2.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 2 reading and content, choosing flexibly from an array of strategies.

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<p><b>Robots</b> Explains how and why robots are used around the home, in the workplace, and in dangerous places. It looks at the types of work that robots can do and why these machines are important in everyday life.</p>	L (24)	ETS1.A Defining and delimiting engineering problems ETS1.B Developing possible solutions ETS1.C Optimizing the design solution	RI.2.3 Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.	RF.2.4.A Read grade-level text with purpose and understanding.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.C Ask for clarification and further explanation as needed about the topics and texts under discussion.	L.2.4.A Use sentence-level context as a clue to the meaning of a word or phrase.
<p><b>Sharing Our Yard</b> Describes the actions that a girl who lives in New Hampshire is taking to look after three special animals; the Karner blue butterfly, the purple finch, and the white-tailed deer. It describes the needs of these animals and why they require protecting.</p>	L (24)	LS2.A Independent relationships in ecosystems LS4.D Biodiversity and humans	RI.2.1 Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.	RF.2.4.A Read grade-level text with purpose and understanding.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.C Ask for clarification and further explanation as needed about the topics and texts under discussion.	L.2.1.B Form and use frequently occurring irregular plural nouns.
<p><b>Side by Side</b> Compares the lifetimes of the impala and the lion, who live in the same habitat in Africa.</p>	L (24)	LS4.D Biodiversity and humans	RI.2.6 Identify the main purpose of a text, including what the author wants to answer, explain, or describe.	RF.2.4.A Read grade-level text with purpose and understanding.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.C Ask for clarification and further explanation as needed about the topics and texts under discussion.	L.2.1.A Use collective nouns.
<p><b>Summer in Antarctica</b> Describes the changes that take place in the summer in Antarctica. It explores how the increasing hours of daylight enable animals to find food, mate, and raise their young in this difficult landscape.</p>	L (24)	LS4.D Biodiversity and humans ESS2.C The roles of water in Earth's surface processes	RI.2.3 Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.B Build on others' talk in conversations by linking their comments to the remarks of others.	L.2.1.B Form and use frequently occurring irregular plural nouns.

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<b>Weather</b> Explains the ways that different weather patterns form.	L (24)	ESS2.A Earth materials and systems ESS2.C The roles of water in Earth's surface processes	RI.2.7 Explain how specific images contribute to and clarify a text.	RF.2.4.A Read grade-level text with purpose and understanding.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.C Ask for clarification and further explanation as needed about the topics and texts under discussion.	L.2.1.D Form and use the past tense of frequently occurring irregular verbs.
<b>Animals of the African Grasslands</b> Reports on the different ways that animals living on these grasslands find their food and stay safe from predators.	M (28)	LS4.D Biodiversity and humans	RI.2.6 Identify the main purpose of a text, including what the author wants to answer, explain, or describe.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.A Follow agreed-upon rules for discussions.	L.2.4.D Use knowledge of the meaning of individual words to predict the meaning of compound words.
<b>Bridges</b> A report about how bridges are made, and the properties of the materials used to make them. It also discusses some very famous bridges.	M (28)	ETS1.A Defining and delimiting engineering problems ETS1.B Developing possible solutions ETS1.C Optimizing the design solution	RI.2.4 Determine the meaning of words and phrases in a text relevant to a grade 2 topic or subject area.	RF.2.4.A Read grade-level text with purpose and understanding.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.B Build on others' talk in conversations by linking their comments to the remarks of others.	L.2.1.F Produce, expand, and rearrange complete simple and compound sentences.
<b>Champions of the Animal World</b> Looks at animals that have exceptional abilities. It explores what each animal champion can do and how it does it. The book also looks at human-made threats to each animal's survival.	M (28)	LS4.D Biodiversity and humans	RI.2.6 Identify the main purpose of a text, including what the author wants to answer, explain, or describe.	RF.2.4.A Read grade-level text with purpose and understanding.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.B Build on others' talk in conversations by linking their comments to the remarks of others.	L.2.4.C Use a known root word as a clue to the meaning of an unknown word with the same root.

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<p><b>Disappearing Ice</b> Describes how a warmer climate is causing the pack ice in the Arctic to shrink. It explains why it is difficult for many Arctic animals to survive now that there is less pack ice.</p>	M (28)	ESS2.A Earth materials and systems ESS2.C The roles of water in Earth's surface processes	RI.2 Know and use various text features to locate key facts or information in a text efficiently.	RF.2.3.F Recognize and read grade-appropriate irregularly spelled words.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.C Build on others' talk in conversations by linking their comments to the remarks of others.	L.2.1.D Form and use the past tense of frequently occurring irregular verbs.
<p><b>Majestic Mountains</b> Explains the different ways that mountains can be formed. It also describes the conditions that are found at the various levels on mountains, and the types of plants and animals that live there.</p>	M (28)	ESS1.C The history of planet Earth ESS2.A Earth materials and systems ESS2.B Plate tectonics and large-scale system interactions	RI.2.3 Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.3 Write narratives in which they recount a well-elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.	SL.2.1.A Follow agreed-upon rules for discussions	L.2.1.F Produce, expand, and rearrange complete simple and compound sentences.
<p><b>Silkworms</b> Explains the changes that occur during the different stages of the silkworm's life cycle, from hatching out of eggs, emerging as worms, changing into moths, mating, and laying eggs. It also explores the impact of humans on these animals.</p>	M (28)	LS4.D Biodiversity and humans	RI.2.4 Determine the meaning of words and phrases in a text relevant to a grade 2 topic or subject area.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.A Follow agreed-upon rules for discussions.	L.2.4.D Use knowledge of the meaning of individual words to predict the meaning of compound words.

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<b>The Changing Shape of the Land</b> Explores the ways that moving water, wind, ice, and snow shape the landscape.	M (28)	ESS2.A Earth materials and systems ESS2.C The roles of water in Earth's surface processes	RI.2.8 Describe how reasons support specific points the author makes in a text.	RF.2.3.C Decode regularly spelled two-syllable words with long vowels.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.C Ask for clarification and further explanation as needed about the topics and texts under discussion.	L.2.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 2 reading and content, choosing flexibly from an array of strategies.
<b>What Is it?</b> A question and answer book that describes the characteristics of materials used to make everyday objects and asks the reader to determine what that material is. It then explores how these characteristics relate to the specific ways in which each material is used.	M (28)	PS1.A Structure and properties of matter PS1.B Chemical reactions	RI.2.3 Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.	RF.2.3.F Recognize and read grade-appropriate irregularly spelled words.	W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.	SL.2.1.C Ask for clarification and further explanation as needed about the topics and texts under discussion.	L.2.1.D Form and use the past tense of frequently occurring irregular verbs.