

Reading Essentials in Science

**Correlation to the Common Core English Language Arts Standards
Reading: Informational Text
Grade 8**

Matter and Motion (5 book set)	<i>Atomic Energy</i> Student Book/ Teaching and Assessment Resource	<i>Forces in Fluids</i> Student Book/ Teaching and Assessment Resource	<i>Newton's Laws of Motion</i> Student Book/ Teaching and Assessment Resource	<i>The Periodic Table of Elements</i> Student Book/ Teaching and Assessment Resource	<i>Physical and Chemical Properties and Changes</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X		X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.			X	X	X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X		X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.			X		
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.	X	X	X	X	X
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Chemistry Clues (5 Book Set)	<i>Acids and Bases Student Book/ Teaching and Assessment Resource</i>	<i>Atoms, Molecules and Compounds Student Book/ Teaching and Assessment Resource</i>	<i>Chemical Energy Student Book/ Teaching and Assessment Resource</i>	<i>Chemical Reactions Student Book/ Teaching and Assessment Resource</i>	<i>Mixtures and Solutions Student Book/ Teaching and Assessment Resource</i>
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X		X	X	X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.		X			
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.					
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Healthy Living (5 book set)	<i>Alcohol, Tobacco, and Drugs</i> Student Book/ Teaching and Assessment Resource	<i>Disease Prevention</i> Student Book/ Teaching and Assessment Resource	<i>Nutrition</i> Student Book/ Teaching and Assessment Resource	<i>Personal Hygiene</i> Student Book/ Teaching and Assessment Resource	<i>Physical Activity</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.		X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X				X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.			X		
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.	X	X	X	X	X
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Global Issues (5 book set)	Consumption and Waste Student Book/ Teaching and Assessment Resource	Energy Sources Student Book/ Teaching and Assessment Resource	Global Warming Student Book/ Teaching and Assessment Resource	Habitat Destruction Student Book/ Teaching and Assessment Resource	Keeping Our Food and Water Safe Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.			X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.		X	X	X	
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.					
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.	X	X	X	X	X
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Forces of Nature (5 book set)	<i>Earthquakes</i> Student Book/ Teaching and Assessment Resource	<i>Floods</i> Student Book/ Teaching and Assessment Resource	<i>Hurricanes</i> Student Book/ Teaching and Assessment Resource	<i>Tornadoes</i> Student Book/ Teaching and Assessment Resource	<i>Volcanoes</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.			X	X	
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.		X			X
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.			X		
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X		X		X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Weather Report (5 book set)	<i>Erosion</i> Student Book/ Teaching and Assessment Resource	<i>Forecasting</i> Student Book/ Teaching and Assessment Resource	<i>Natural Disasters</i> Student Book/ Teaching and Assessment Resource	<i>Records and Oddities</i> Student Book/ Teaching and Assessment Resource	<i>Seasons and Patterns</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X		X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X	X		X	X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X		X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.		X			
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Earth Explorations (5 book set)	<i>Fossils</i> Student Book/ Teaching and Assessment Resource	<i>Geologic Time</i> Student Book/ Teaching and Assessment Resource	<i>Rocks and Minerals</i> Student Book/ Teaching and Assessment Resource	<i>Sedimentary Rocks</i> Student Book/ Teaching and Assessment Resource	<i>The Water Cycle</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X		X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X	X			X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X		X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.	X				
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Earth Explorations II (5 book set)	<i>Changing Shorelines</i> Student Book/ Teaching and Assessment Resource	<i>Divides and Watersheds</i> Student Book/ Teaching and Assessment Resource	<i>The Earth's Atmosphere</i> Student Book/ Teaching and Assessment Resource	<i>Mapping the Earth</i> Student Book/ Teaching and Assessment Resource	<i>Oceanography</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.		X	X	X	X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.		X	X		
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.					
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
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Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Amazing Space (5 book set)	Are We Alone? Student Book/ Teaching and Assessment Resource	Inside a Star Student Book/ Teaching and Assessment Resource	Lights in the Sky Student Book/ Teaching and Assessment Resource	Mysteries in Space Student Book/ Teaching and Assessment Resource	Telescopes Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X		X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X		X	X	
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X		X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.		X	X		
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.					
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.	X				
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Communities of Life (5 book set)	<i>Deserts</i> Student Book/ Teaching and Assessment Resource	<i>Mountains</i> Student Book/ Teaching and Assessment Resource	<i>Oceans</i> Student Book/ Teaching and Assessment Resource	<i>Rivers</i> Student Book/ Teaching and Assessment Resource	<i>Tropical Rain Forests</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X	X	X	
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.		X	X	X	X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.				X	
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
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Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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<i>Life Science Investigations</i> (5 book set)	<i>Classifying Plants and Animals</i> Student Book/ Teaching and Assessment Resource	<i>Food Chains and Webs</i> Student Book/ Teaching and Assessment Resource	<i>How Plants Grow</i> Student Book/ Teaching and Assessment Resource	<i>Life Cycles of Plants and Animals</i> Student Book/ Teaching and Assessment Resource	<i>Under a Microscope: Small Life</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X		X		
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.					
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Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.					
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
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Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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The Human Body (5 book set)	<i>The Circulatory System</i> Student Book/ Teaching and Assessment Resource	<i>The Digestive System</i> Student Book/ Teaching and Assessment Resource	<i>The Nervous System</i> Student Book/ Teaching and Assessment Resource	<i>The Respiratory System</i> Student Book/ Teaching and Assessment Resource	<i>The Skeletal/Muscular System</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.		X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X		X	X	X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).		X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.			X		
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

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Living Wonders (5 book set)	<i>Adaptation and Survival</i> Student Book/ Teaching and Assessment Resource	<i>Cells</i> Student Book/ Teaching and Assessment Resource	<i>Genetics</i> Student Book/ Teaching and Assessment Resource	<i>Populations and Ecosystems</i> Student Book/ Teaching and Assessment Resource	<i>Staying Alive: Regulation and Behavior</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X	X			X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.	X				
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

Reading Essentials in Science					
Correlation to the Common Core English Language Arts Standards Reading: Informational Text Grade 8					
<i>Diverse Populations</i> (5 book set)	<i>Arthropods</i> Student Book/ Teaching and Assessment Resource	<i>Bacteria and Viruses</i> Student Book/ Teaching and Assessment Resource	<i>Cnidarians and Worms</i> Student Book/ Teaching and Assessment Resource	<i>Mollusks</i> Student Book/ Teaching and Assessment Resource	<i>Protists and Fungi</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X	X	X	X	X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.				X	
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

Reading Essentials in Science

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Human Living Systems (5 book set)	Cell Processes Student Book/ Teaching and Assessment Resource	Heredity Student Book/ Teaching and Assessment Resource	Human Reproduction, Growth, and Development Student Book/ Teaching and Assessment Resource	The Immune System Student Book/ Teaching and Assessment Resource	Tissues, Organs, and Systems Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.		X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X	X			X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).		X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.	X	X	X	X	
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X			X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

Reading Essentials in Science					
Correlation to the Common Core English Language Arts Standards Reading: Informational Text Grade 8					
Energy Works (5 book set)	<i>Electricity and Magnetism</i> Student Book/ Teaching and Assessment Resource	<i>Heat</i> Student Book/ Teaching and Assessment Resource	<i>Light</i> Student Book/ Teaching and Assessment Resource	<i>Motion</i> Student Book/ Teaching and Assessment Resource	<i>Sound</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X			X	X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X		X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.			X		
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X

Reading Essentials in Science

**Correlation to the Common Core English Language Arts Standards
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<i>How Things Are Made</i> (5 book set)	<i>Glass</i> Student Book/ Teaching and Assessment Resource	<i>Metal</i> Student Book/ Teaching and Assessment Resource	<i>Paper</i> Student Book/ Teaching and Assessment Resource	<i>Plastics</i> Student Book/ Teaching and Assessment Resource	<i>Textiles</i> Student Book/ Teaching and Assessment Resource
Key Ideas and Details					
RI.8.1. Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.	X	X	X	X	X
RI.8.2. Determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text.	X	X			X
RI.8.3. Analyze how a text makes connections among and distinctions between individuals, ideas, or events (e.g., through comparisons, analogies, or categories).	X	X	X	X	X
Craft and Structure					
RI.8.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of specific word choices on meaning and tone, including analogies or allusions to other texts.	X	X	X	X	X
RI.8.5. Analyze in detail the structure of a specific paragraph in a text, including the role of particular sentences in developing and refining a key concept.	X				
RI.8.6. Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints.					
Integration of Knowledge and Ideas					
RI.8.7. Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.	X	X	X	X	X
RI.8.8. Delineate and evaluate the argument and specific claims in a text, assessing whether the reasoning is sound and the evidence is relevant and sufficient; recognize when irrelevant evidence is introduced.					
RI.8.9. Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.					
Range of Reading and Level of Text Complexity					
RI.8.10. By the end of the year, read and comprehend literary nonfiction at the high end of the grades 6–8 text complexity band independently and proficiently.	X	X	X	X	X