

**Grade 3**  
**Common Core State Standards for English Language Arts**  
**Correlation to Delta Science Content Readers**

Grade 3 Standard	Page References for Delta Science Content Readers
<b>Reading Standards for Informational Text</b>	
<b>Key Ideas and Details</b>	
<p><b>RI.3.1</b> Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.</p>	<p><b>All DSCR titles</b>  <b>SE:</b> The “Checkpoint” questions at the end of every subsection of all DSCR SEs; the “Reflect on Reading” features at the end of every chapter; and the “Let’s Review” questions on the inside back cover of all DSCR SEs require students to answer questions to demonstrate understanding of a text.            In addition, see the following:  <b>Plant Life Cycles</b> SKB 3  <b>Plant Needs</b> SKB 1, 3  <b>Sound Energy</b> SKB 1  <b>Weather and Climate</b> SKB 1</p>
<p><b>RI.3.2</b> Determine the main idea of a text; recount the key details and explain how they support the main idea.</p>	<p><b>Air and Water</b> SE 20, 23, inside back cover; TG 5, 8  <b>Animal Needs and Life Cycles</b> SE 10, 17, inside back cover; TG 3, 4, 8; SKB 1  <b>Cells and Classification</b> SE 20, 23; TG 5  <b>Changes in Ecosystems</b> SE 10, 19, inside back cover; TG 4, 5, 8  <b>Changes in Matter</b> SE 18, 23, inside back cover; TG 5, 8; SKB 1  <b>Ecosystems</b> SE 8, 15, inside back cover; TG 3, 4, 8  <b>Electricity and Magnetism</b> SE 20, 23; TG 5  <b>Energy</b> SE 16, 19; TG 4, 5; SKB 1  <b>Heredity</b> SE 20, 23, inside back cover; TG 5, 8  <b>Minerals, Rocks, and Fossils</b> SE 14, 17; TG 4  <b>Our Solar System and Beyond</b> SE 16, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Plant Life Cycles</b> SE 20, 23; TG 5  <b>Plant Needs</b> SE 16, 19; TG 4, 5  <b>Soils</b> SE 18, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Weather and Climate</b> SE 20, 23; TG 5  <b>Weathering and Erosion</b> SE 20, 23; TG 5  <b>Work and Machines</b> SE 20, 23, inside back cover; TG 5, 8</p>
<p><b>RI.3.3</b> Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect.</p>	<p><b>Changes in Ecosystems</b> SE 8, 15; TG 3; SKB 1, 3  <b>Earth, Moon, and Sun System</b> SE 12, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Ecosystems</b> SE inside back cover; TG 8; SKB 3  <b>Energy</b> SE 20, 23, inside back cover; TG 5, 8  <b>Forces and Motion</b> SE 18, 23; TG 4, 5; SKB 1  <b>Heat and Light Energy</b> SE 10, 15, 16, 19, inside back cover; TG 3, 4, 5, 8; SKB 1, 3  <b>Heredity</b> SE 6, 13; TG 3; SKB 1, 3  <b>Inside Earth</b> SE 16, 23; TG 4, 5; SKB 1  <b>Plant Needs</b> SE 20, 23; TG 5  <b>Weathering and Erosion</b> SE 12, 19; TG 4, 5; SKB 1  <b>Work and Machines</b> SE 6, 9; TG 3</p>

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<b>Craft and Structure</b>	
<p><b>RI.3.4</b> Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a <i>grade 3 topic or subject area</i>.</p>	<p><b>All DSCR titles</b>  <b>SE:</b> Vocabulary development is supported in all DSCR SEs through the vocabulary preview, vocabulary lists on each chapter opener, boldface words defined in context, and glossary. <b>Checkpoint</b> questions are provided during reading so teachers can reinforce and extend understanding of the relationships between concepts and domain-specific vocabulary.</p> <p><b>TG: Preview the Book</b> (Build Reading Skills) (TG 2) Teachers and students preview science vocabulary before reading. Teachers are prompted to display vocabulary words in a graphic organizer during reading (TG 2). The graphic organizer supports class discussions of the relationship between vocabulary and the concept each word represents. In addition, all TGs include vocabulary support for each <b>Make a Connection</b> feature (two to four per book). <b>After Reading</b> activities deepen and extend understanding of vocabulary.</p> <p><b>SKB:</b> All DSCR SKBs have one vocabulary page (SKB 4) dedicated to general academic and domain-specific vocabulary building.</p> <p><b>In addition, Supporting English Learners</b> (TG 1) for the following titles provides opportunities for vocabulary development that can be used with all learners:</p> <p><b>Properties of Matter</b>  <b>Changes in Matter</b>  <b>Energy</b>  <b>Heat and Light Energy</b>  <b>Forces and Motion</b></p> <p><b>Cells and Classification</b>  <b>Ecosystems</b>  <b>Heredity</b>  <b>Plant Life Cycles</b></p> <p><b>Earth, Moon, and Sun System</b>  <b>Weathering and Erosion</b>  <b>Soils</b>  <b>Inside Earth</b>  <b>Air and Water</b></p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 7, 8, 9, 10</p>

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<p><b>RI.3.5</b> Use text features and search tools (e.g., key words, sidebars, hyperlinks) to locate information relevant to a given topic efficiently.</p>	<p><b>All DSCR titles</b>  <b>SE 2 Preview the Book</b> (Build Reading Skills) prompts identification and discussion of the non-fiction text features in the book.                      In addition, see the following:  <b>Air and Water</b> SE 2, 7; TG 2, 3  <b>Animal Needs and Life Cycles</b> SE 2, 9; TG 2  <b>Cells and Classification</b> SE 2, 5; TG 2; SKB 1  <b>Changes in Ecosystems</b> SE 2, 7; TG 2, 3  <b>Changes in Matter</b> SE 2, 7; TG 2, 3  <b>Ecosystems</b> SE 2, 7; TG 2, 3  <b>Forces and Motion</b> SE 2, 9, 10, 17; TG 2, 3, 4  <b>Heat and Light Energy</b> SE 2, 9; TG 2, 3  <b>Human Body Systems</b> SE 2, 5; TG 2, 3  <b>Inside Earth</b> SE 2, 7; TG 2, 3  <b>Minerals, Rocks, and Fossils</b> SE 2, 7; TG 2, 3  <b>Our Solar System and Beyond</b> SE 2, 15; TG 2, 4  <b>Plant Life Cycles</b> SE 2, 5; TG 2, 3  <b>Plant Needs</b> SE 2, 7; TG 2, 3; SKB 1  <b>Sound Energy</b> SE 2, 7; TG 2, 3  <b>Weather and Climate</b> SE 2, 13; TG 2, 3  <b>Weathering and Erosion</b> SE 2, 5; TG 2  <b>Work and Machines</b> SE 2; TG 2</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 1, 2, 5</p>

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<b><i>Integration of Knowledge and Ideas</i></b>	
<p><b>RI.3.7</b> Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur).</p>	<p><b>Air and Water</b> SE 8, 19; TG 2, 3, 4, 5; SKB 1  <b>Animal Needs and Life Cycles</b> SE 18, 23; TG 4, 5  <b>Cells and Classification</b> SE 12, 19, inside back cover; TG 2, 3, 4, 5, 8; SKB 1  <b>Changes in Matter</b> SE 8, 16; TG 3, 4, 5  <b>Ecosystems</b> SE 16, 23; TG 2, 3, 5, 8; SKB 1  <b>Electricity and Magnetism</b> SE 14, 19; TG 4, 5  <b>Energy</b> SE 8; TG 3  <b>Forces and Motion</b> SE 10, 17; TG 3, 4  <b>Heat and Light Energy</b> SE 20, 23; TG 5  <b>Heredity</b> SE 14, 19; TG 4  <b>Human Body Systems</b> SE 6, 22, inside back cover; TG 3, 5, 8; SKB 1  <b>Inside Earth</b> SE 8, 15, inside back cover; TG 2, 3, 4, 5, 8  <b>Minerals, Rocks, and Fossils</b> SE 8, 13; TG 3, 4  <b>Our Solar System and Beyond</b> TG 2, 4, 5  <b>Plant Life Cycles</b> SE 6, 15, inside back cover; TG 1 (Supporting English Learners), 3, 4, 8  <b>Plant Needs</b> SE 8, 15, inside back cover; TG 3, 4, 8  <b>Properties of Matter</b> SE 2, 13; TG 2, 4  <b>Soils</b> SE 2, 9; TG 1 (Supporting English Learners), 2, 3  <b>Sound Energy</b> SE 8, 15; TG 3, 4  <b>Weather and Climate</b> SE 14, 19, 23, inside back cover; TG 4, 5, 8  <b>Weathering and Erosion</b> TG 1 (Supporting English Learners)  <b>Work and Machines</b> SE 10, 19; TG 3, 5; SKB 1</p>

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<p><b>RI.3.8</b> Describe the logical connection between particular sentences and paragraphs in a text (e.g., comparison, cause/effect, first/second/third in a sequence).</p>	<p><b>Cells and Classification</b> SE 6, 11; TG 5; SKB 3  <b>Changes in Ecosystems</b> SE 8, 15, 20, 23; TG 3, 5; SKB 1, 3  <b>Changes in Matter</b> SE 7; TG 3; SKB 3  <b>Earth, Moon, and Sun System</b> SE 12, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Ecosystems</b> SE 23; TG 5; SKB 3  <b>Electricity and Magnetism</b> SE 10, 13, inside back cover; TG 3, 4, 8; SKB 1  <b>Energy</b> SE 20, 23, inside back cover; TG 5, 8  <b>Forces and Motion</b> SE 18, 23; TG 4, 5; SKB 1  <b>Heat and Light Energy</b> SE 10, 15, 16, 19, inside back cover; TG 3, 4, 5, 8; SKB 1, 3  <b>Heredity</b> SE 6, 13; TG 3; SKB 1, 3  <b>Inside Earth</b> SE 16, 23; TG 4, 5; SKB 1  <b>Minerals, Rocks, and Fossils</b> SE 18, 23, inside back cover; TG 5, 8; SKB 1  <b>Plant Life Cycles</b> SE 16, 19; TG 4, 5; SKB 1  <b>Plant Needs</b> SE 20, 23; TG 5  <b>Properties of Matter</b> SE 14, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Soils</b> SE 10, 17; TG 3, 4; SKB 3  <b>Sound Energy</b> SE 16, 23, inside back cover; TG 4, 5, 8  <b>Weather and Climate</b> SKB 3  <b>Weathering and Erosion</b> SE 6, 11, 12, 19, inside back cover; TG 3, 4, 5, 8; SKB 1, 3  <b>Work and Machines</b> SE 6, 9; TG 3</p>
<b><i>Range of Reading and Level of Text Complexity</i></b>	
<p><b>RI.3.10</b> By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 2–3 text complexity band independently and proficiently.</p>	<p><b>All DSCR titles</b>                      TG 1 lists reading comprehension skills for each title.                      SKB 1 always includes reading comprehension skill development.</p>

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<b>Reading Standards: Foundational Skills</b>	
<b><i>Phonics and Word Recognition</i></b>	
<b>RF.3.3</b> Know and apply grade-level phonics and word analysis skills in decoding words.	<b><i>See below.</i></b>  <i>Also see</i> <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 5
<b>RF.3.3.a</b> Identify and know the meaning of the most common prefixes and derivational suffixes.	<b>Air and Water</b> TG 1 (Supporting English Learners) <b>Animal Needs and Life Cycles</b> SKB 4 <b>Cells and Classification</b> TG 1 (Supporting English Learners) <b>Changes in Ecosystems</b> SKB 4 <b>Changes in Matter</b> SKB 4 <b>Earth, Moon, and Sun System</b> SKB 4 <b>Heat and Light Energy</b> TG 1 (Supporting English Learners); SKB 4 <b>Human Body Systems</b> SKB 4 <b>Minerals, Rocks, and Fossils</b> SKB 4 <b>Plant Needs</b> SKB 4 <b>Properties of Matter</b> TG 1 (Supporting English Learners)
<b>RF.3.3.b</b> Decode words with common Latin suffixes.	<b>Changes in Ecosystems</b> SKB 4 <b>Earth, Moon, and Sun System</b> SKB 4 <b>Heat and Light Energy</b> SKB 4
<b>RF.3.3.c</b> Decode multisyllable words.	<b>All Titles</b> SE glossaries include general academic and domain-specific words that provide opportunities to practice this skill.  <i>Also see</i> <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 4
<b>RF.3.3.d</b> Read grade-appropriate irregularly spelled words.	<b>All Titles</b> SE glossaries include general academic and domain-specific words that provide opportunities to practice this skill.

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<b>Fluency</b>	
<b>RF.3.4</b> Read with sufficient accuracy and fluency to support comprehension.	<i>See below.</i>
<b>RF.3.4.a</b> Read on-level text with purpose and understanding.	<p><b>All DSCR titles</b>  <b>TG:</b> K-W-L chart (TG 2) helps students set a purpose for reading. “Checkpoint” questions are provided during reading so teachers can reinforce and extend understanding of the relationships between concepts and vocabulary. After reading activities deepen and extend understanding.  <b>SE:</b> “Find Out About” statements at the start of every section help students set a purpose for reading.</p> <p>Also see:  <b>Plant Needs</b> SKB 1  <b>Sound Energy</b> SKB 1  <b>Weather and Climate</b> SKB 1</p> <p>In addition,  <b>TG 1, Supporting English Learners</b>, for the following titles provides suggestions for setting a purpose for reading that can be used with all students:  <b>Animal Needs and Life Cycles</b> (Set Objectives)  <b>Changes in Ecosystems</b> (Set Objectives)  <b>Electricity and Magnetism</b> (Activate Prior Knowledge)  <b>Minerals, Rocks, and Fossils</b> (Set Objectives)  <b>Our Solar System and Beyond</b> (Set Objectives)  <b>Plant Needs</b> (Activate Prior Knowledge)  <b>Sound Energy</b> (Set Objectives)  <b>Weather and Climate</b> (Activate Prior Knowledge)</p>
<b>RF.3.4.c</b> Use context to confirm or self-correct word recognition and understanding, rereading as necessary.	<p><b>Properties of Matter</b> SKB 4  <b>Energy</b> SKB 4  <b>Human Body Systems</b> SKB 4  <b>Plant Life Cycles</b> SKB 4  <b>Animal Needs and Life Cycles</b> SKB 4  <b>Our Solar System and Beyond</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4  <b>Inside Earth</b> SKB 4</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 8</p>

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<b>WRITING STANDARDS</b>	
<i>Text Types and Purposes</i>	
<b>W.3.1</b> Write opinion pieces on topics or texts, supporting a point of view with reasons.	<p><i>See below.</i></p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 4, 6</p>
<b>W.3.1.a</b> Introduce the topic or text they are writing about, state an opinion, and create an organizational structure that lists reasons.	<p><b>Air and Water</b> SKB 3  <b>Changes in Ecosystems</b> SE inside back cover; TG 8  <b>Earth, Moon, and Sun System</b> SKB 3  <b>Ecosystems</b> SE inside back cover; TG 8 (opportunity)  <b>Electricity and Magnetism</b> SKB 3  <b>Our Solar System and Beyond</b> SKB 3  <b>Plant Needs</b> SKB 3  <b>Soils</b> SE inside back cover; TG 8</p>
<b>W.3.1.b</b> Provide reasons that support the opinion.	<p><b>Air and Water</b> SKB 3  <b>Changes in Ecosystems</b> SE inside back cover; TG 8  <b>Earth, Moon, and Sun System</b> SKB 3  <b>Ecosystems</b> SE inside back cover; TG 8 (opportunity)  <b>Electricity and Magnetism</b> SKB 3  <b>Our Solar System and Beyond</b> SKB 3  <b>Plant Needs</b> SKB 3  <b>Soils</b> SE inside back cover; TG 8</p>
<b>W.3.1.c</b> Use linking words and phrases (e.g., <i>because, therefore, since, for example</i> ) to connect opinion and reasons.	<p>The following provide opportunities to use linking words and phrases to connect opinion and reasons:  <b>Air and Water</b> SKB 3  <b>Changes in Ecosystems</b> SE inside back cover; TG 8  <b>Earth, Moon, and Sun System</b> SKB 3  <b>Electricity and Magnetism</b> SKB 3  <b>Plant Needs</b> SKB 3</p>
<b>W.3.1.d</b> Provide a concluding statement or section.	<p><b>Changes in Ecosystems</b> SE inside back cover; TG 8  <b>Ecosystems</b> SKB 3  <b>Electricity and Magnetism</b> SKB 3  <b>Soils</b> SE inside back cover; TG 8</p>
<b>W.3.2</b> Write informative/explanatory texts to examine a topic and convey ideas and information clearly.	<p><i>See below.</i></p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 1, 3, 5, 7, 9</p>



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<p><b>W.3.2.a</b> Introduce a topic and group related information together; include illustrations when useful to aiding comprehension.</p>	<p><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3  <b>Cells and Classification</b> SKB 1, 3  <b>Changes in Ecosystems</b> SKB 3  <b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8  <b>Ecosystems</b> SKB 3  <b>Forces and Motion</b> SKB 3  <b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3  <b>Heredity</b> SE inside back cover; TG 8  <b>Human Body Systems</b> SKB 3  <b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3  <b>Our Solar System and Beyond</b> SE inside back cover; TG 8  <b>Plant Life Cycles</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Soils</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8  <b>Weathering and Erosion</b> SKB 3  <b>Work and Machines</b> SE inside back cover; TG 8</p>
<p><b>W.3.2.b</b> Develop the topic with facts, definitions, and details.</p>	<p><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3  <b>Cells and Classification</b> SKB 1, 3  <b>Changes in Ecosystems</b> SKB 3  <b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8  <b>Ecosystems</b> SKB 3  <b>Forces and Motion</b> SKB 3  <b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3  <b>Heredity</b> SE inside back cover; TG 8  <b>Human Body Systems</b> SKB 3  <b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3  <b>Our Solar System and Beyond</b> SE inside back cover; TG 8  <b>Plant Life Cycles</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Soils</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8  <b>Weathering and Erosion</b> SKB 3  <b>Work and Machines</b> SE inside back cover; TG 8</p>

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<p><b>W.3.2.c</b> Use linking words and phrases (e.g., <i>also</i>, <i>another</i>, <i>and</i>, <i>more</i>, <i>but</i>) to connect ideas within categories of information.</p>	<p>The following provide opportunities to link ideas within categories of information using words and phrases:</p> <p><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3</p> <p><b>Cells and Classification</b> SKB 1, 3</p> <p><b>Changes in Ecosystems</b> SKB 3</p> <p><b>Changes in Matter</b> SKB 3</p> <p><b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8</p> <p><b>Ecosystems</b> SKB 3</p> <p><b>Forces and Motion</b> SKB 3</p> <p><b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3</p> <p><b>Heredity</b> SE inside back cover; TG 8; SKB 3</p> <p><b>Human Body Systems</b> SKB 3</p> <p><b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3</p> <p><b>Our Solar System and Beyond</b> SE inside back cover; TG 8</p> <p><b>Plant Life Cycles</b> SKB 3</p> <p><b>Properties of Matter</b> SKB 3</p> <p><b>Soils</b> SKB 3</p> <p><b>Sound Energy</b> SKB 3</p> <p><b>Weather and Climate</b> SE inside back cover; TG 8</p> <p><b>Weathering and Erosion</b> SKB 3</p> <p><b>Work and Machines</b> SE inside back cover; TG 8</p>
<p><b>W.3.2.d</b> Provide a concluding statement or section.</p>	<p><b>Changes in Ecosystems</b> SKB 3 (opportunity)</p> <p><b>Ecosystems</b> SKB 3</p> <p><b>Human Body Systems</b> SKB 3</p> <p><b>Properties of Matter</b> SKB 3</p> <p><b>Sound Energy</b> SKB 3</p> <p><b>Weather and Climate</b> SE inside back cover; TG 8</p> <p><b>Weathering and Erosion</b> SKB 3</p>
<p><b><i>Production and Distribution of Writing</i></b></p>	
<p><b>W.3.4</b> With guidance and support from adults, produce writing in which the development and organization are appropriate to task and purpose. (Grade-specific expectations for writing types are defined in standards 1–3 above.)</p>	<p><b>All DSCR titles</b> SE inside back cover; TG 8; SKB 3</p>
<p><b>W.3.5</b> With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, and editing. (Editing for conventions should demonstrate command of Language standards 1–3 up to and including grade 3.)</p>	<p>The following provide opportunities to develop and strengthen writing:</p> <p><b>All DSCR titles</b> SE inside back cover; TG 8; SKB 3</p>

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<p><b>W.3.6</b> With guidance and support from adults, use technology to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others.</p>	<p><b>Changes in Ecosystems</b> SE 19 (Apply Science Concepts)  <b>Earth, Moon, and Sun System</b> SE 23 (Apply Science Concepts)  <b>Inside Earth</b> SE 15 (Apply Science Concepts)  <b>Minerals, Rocks, and Fossils</b> SE 17 (Apply Science Concepts), inside back cover (Try It)  <b>Plant Needs</b> SE inside back cover (Write)  <b>Properties of Matter</b> SE inside back cover (Write)  <b>Weather and Climate</b> SE 19 (Apply Science Concepts), inside back cover (Write)  <b>Weathering and Erosion</b> SE 5, 19 (Apply Science Concepts)</p>
<p><b>Research to Build and Present Knowledge</b></p>	
<p><b>W.3.7</b> Conduct short research projects that build knowledge about a topic.</p>	<p><b>Air and Water</b> SE 7; TG 3  <b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8  <b>Changes in Ecosystems</b> SE 19  <b>Earth, Moon, Sun System</b> SE 23; TG 5  <b>Inside Earth</b> SE 15; TG 4; SKB 3  <b>Minerals, Rocks, and Fossils</b> SE 17, inside back cover  <b>Plant Needs</b> SE inside back cover; TG 8  <b>Properties of Matter</b> SE inside back cover; TG 8  <b>Weather and Climate</b> SE 19, inside back cover  <b>Weathering and Erosion</b> SE 5, 19</p>
<p><b>W.3.8</b> Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.</p>	<p><b>Air and Water</b> SE 7; TG 3  <b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8  <b>Changes in Ecosystems</b> SE 19; TG 5  <b>Earth, Moon, Sun System</b> SE 23; TG 5  <b>Inside Earth</b> SE 15; TG 4; SKB 3  <b>Minerals, Rocks, and Fossils</b> SE 17; TG 4  <b>Plant Life Cycles</b> SE 15; TG 4  <b>Plant Needs</b> SE inside back cover; TG 8  <b>Properties of Matter</b> SE inside back cover; TG, 8  <b>Weather and Climate</b> SE 19; TG 5  <b>Weathering and Erosion</b> SE 5, 19; TG 2, 5</p>
<p><b>W.3.9</b></p>	<p><i>(Begins in grade 4)</i></p>
<p><b>Range of Writing</b></p>	
<p><b>W.3.10</b> Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.</p>	<p><b>All DSCR titles</b>  <b>SE and TG:</b> In addition to the Writing standards met above, which comprise shorter time frames, students write routinely over extended time frames in their science notebooks, recording observations and ideas, conducting research, organizing information, and answering questions.                      Also see:  <b>Weather and Climate</b> SE 13; TG 4</p>

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<b>LANGUAGE STANDARDS</b>	
<i>Conventions of Standard English</i>	
<b>L.3.1</b> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	<i>See below.</i>
<b>L.3.1.a</b> Explain the function of nouns, pronouns, verbs, adjectives, and adverbs in general and their functions in particular sentences.	<b>Air and Water</b> SKB 2 <b>Animal Needs and Life Cycles</b> SKB 2 <b>Changes in Ecosystems</b> SKB 2 <b>Our Solar System and Beyond</b> SKB 2 <b>Properties of Matter</b> SKB 2 <b>Weather and Climate</b> SKB 2  <i>Also see</i> <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 6
<b>L.3.1.b</b> Form and use regular and irregular plural nouns.	<b>Changes in Matter</b> SKB 2 <b>Heat and Light Energy</b> SKB 2 <b>Plant Needs</b> SKB 2 <b>Weathering and Erosion</b> SKB 2
<b>L.3.1.f</b> Ensure subject-verb and pronoun-antecedent agreement.	<b>Energy</b> SKB 2 <b>Minerals, Rocks, and Fossils</b> SKB 2 <b>Plant Life Cycles</b> SKB 2
<b>L.3.1.g</b> Form and use comparative and superlative adjectives and adverbs, and choose between them depending on what is to be modified.	<b>Earth, Moon, and Sun System</b> SKB 4
<b>L.3.1.h</b> Use coordinating and subordinating conjunctions.	<b>Work and Machines</b> SKB 2 <b>Heredity</b> SKB 2 <b>Inside Earth</b> SKB 2
<b>L.3.1.i</b> Produce simple, compound, and complex sentences.	<b>Cells and Classification</b> SKB 2 <b>Changes in Ecosystems</b> SKB 2 <b>Heredity</b> SKB 2 <b>Inside Earth</b> SKB 2 <b>Plant Needs</b> SKB 2 <b>Work and Machines</b> SKB 2
<b>L.3.2</b> Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.	<b>Air and Water</b> SKB 2 <b>Cells and Classification</b> SKB 2 <b>Earth, Moon, and Sun System</b> SKB 2 <b>Electricity and Magnetism</b> SKB 2 <b>Heredity</b> SKB 2 <b>Human Body Systems</b> SKB 2 <b>Inside Earth</b> SKB 2 <b>Our Solar System and Beyond</b> SKB 2 <b>Soils</b> SKB 2 <b>Work and Machines</b> SKB 2

Grade 3 Standard	Page References for Delta Science Content Readers
<p><b>L.3.2.d</b> Form and use possessives.</p>	<p><b>Ecosystems</b> SKB 2  <b>Forces and Motion</b> SKB 2</p>
<p><b>L.3.2.e</b> Use conventional spelling for high-frequency and other studied words and for adding suffixes to base words (e.g., <i>sitting, smiled, cries, happiness</i>).</p>	<p><b>Changes in Ecosystems</b> SKB 4  <b>Earth, Moon, and Sun System</b> SKB 4  <b>Heat and Light Energy</b> SKB 4</p>
<p><b>L.3.2.f</b> Use spelling patterns and generalizations (e.g., word families, position-based spellings, syllable patterns, ending rules, meaningful word parts) in writing words.</p>	<p><b>Air and Water</b> SKB 4  <b>Animal Needs and Life Cycles</b> SKB 4  <b>Changes in Matter</b> SKB 4  <b>Ecosystems</b> SKB 4  <b>Human Body Systems</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4  <b>Sound Energy</b> SKB 4  <b>Weathering and Erosion</b> SKB 4</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 3, 4</p>
<p><b>L.3.2.g</b> Consult reference materials, including beginning dictionaries, as needed to check and correct spellings.</p>	<p><b>All DSCR titles</b>  <b>SE:</b> Glossary provided for students to check spellings, pronunciations, and meanings of words.</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Dictionary – all pages; Copymasters 1, 2, 3</p>

Grade 3 Standard	Page References for Delta Science Content Readers
<b>Knowledge of Language</b>	
<p><b>L.3.3</b> Use knowledge of language and its conventions when writing, speaking, reading, or listening.</p>	<p><b>SKB 3</b> (Writing) for the following titles provides opportunities to use knowledge of language and its conventions when writing:</p> <ul style="list-style-type: none"> <li><b>Air and Water</b></li> <li><b>Animal Needs and Life Cycles</b></li> <li><b>Changes in Ecosystems</b></li> <li><b>Changes in Matter</b></li> <li><b>Ecosystems</b></li> <li><b>Forces and Motion</b></li> <li><b>Heat and Light Energy</b></li> <li><b>Heredity</b></li> <li><b>Human Body Systems</b></li> <li><b>Minerals, Rocks, and Fossils</b></li> <li><b>Properties of Matter</b></li> <li><b>Sound Energy</b></li> <li><b>Weathering and Erosion</b></li> </ul>
<b>Vocabulary for Acquisition and Use</b>	
<p><b>L.3.4</b> Determine or clarify the meaning of unknown and multiple-meaning word and phrases based on <i>grade 3 reading and content</i>, choosing flexibly from a range of strategies.</p>	<p><i>See below.</i></p>
<p><b>L.3.4.a</b> Use sentence-level context as a clue to the meaning of a word or phrase.</p>	<ul style="list-style-type: none"> <li><b>Animal Needs and Life Cycles</b> SKB 4</li> <li><b>Electricity and Magnetism</b> SKB 4</li> <li><b>Energy</b> SKB 4</li> <li><b>Inside Earth</b> SKB 4</li> <li><b>Minerals, Rocks, and Fossils</b> SKB 4</li> <li><b>Our Solar System and Beyond</b> SKB 4</li> <li><b>Plant Life Cycles</b> SKB 4</li> <li><b>Plant Needs</b> SKB 4</li> <li><b>Properties of Matter</b> SKB 4</li> <li><b>Weather and Climate</b> SKB 4</li> <li><b>Work and Machines</b> SKB 4</li> </ul> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 8, 9</p>

Grade 3 Standard	Page References for Delta Science Content Readers
<p><b>L.3.4.b</b> Determine the meaning of the new word formed when a known affix is added to a known word (e.g., <i>agreeable/disagreeable</i>, <i>comfortable/uncomfortable</i>, <i>care/careless</i>, <i>heat/preheat</i>).</p>	<p><b>Air and Water</b> TG 1 (Supporting English Learners)  <b>Animal Needs and Life Cycles</b> SKB 4  <b>Cells and Classification</b> TG 1 (Supporting English Learners)  <b>Changes in Ecosystems</b> SKB 4  <b>Changes in Matter</b> SKB 4  <b>Earth, Moon, and Sun System</b> SKB 4  <b>Heat and Light Energy</b> TG 1 (Supporting English Learners); SKB 4  <b>Human Body Systems</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4  <b>Plant Needs</b> SKB 4  <b>Properties of Matter</b> TG 1 (Supporting English Learners)</p>
<p><b>L.3.4.c</b> Use a known root word as a clue to the meaning of an unknown word with the same root (e.g., <i>company</i>, <i>companion</i>).</p>	<p><b>Animal Needs and Life Cycles</b> SKB 4  <b>Changes in Matter</b> SKB 4  <b>Human Body Systems</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4</p>
<p><b>L.3.4.d</b> Use glossaries or beginning dictionaries, both print and digital, to determine or clarify the precise meaning of key words and phrases.</p>	<p><b>All DSCR titles</b> SE glossary; TG 2</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 7, 8, 9, 10</p>

Grade 3 Standard	Page References for Delta Science Content Readers
<p><b>L.3.6</b> Acquire and use accurately grade-appropriate conversational, general academic, and domain-specific words and phrases, including those that signal spatial and temporal relationships (e.g., <i>After dinner that night we went looking for them</i>).</p>	<p><b>All DSCR titles</b>  <b>SE:</b> Vocabulary development is supported in all DSCR SEs through the vocabulary preview, vocabulary lists on each chapter opener, boldface words defined in context, and glossary. <b>Checkpoint</b> questions are provided during reading so teachers can reinforce and extend understanding of the relationships between concepts and domain-specific vocabulary.</p> <p><b>TG: Preview the Book</b> (Build Reading Skills) (TG 2) Teachers and students preview science vocabulary before reading. Teachers are prompted to display vocabulary words in a graphic organizer during reading (TG 2). The graphic organizer supports class discussions of the relationship between vocabulary and the concept each word represents. In addition, all TGs include vocabulary support for each <b>Make a Connection</b> feature (two to four per book). <b>After Reading</b> activities deepen and extend understanding of vocabulary.</p> <p><b>SKB:</b> All DSCR SKBs have one vocabulary page (SKB 4) dedicated to general academic and domain-specific vocabulary building.</p> <p>In addition, see TG 1 <b>Teach Academic English</b> (Supporting English Learners) for the following titles:  <b>Changes in Matter</b>  <b>Earth, Moon and Sun System</b>  <b>Forces and Motion</b>  <b>Human Body Systems</b>  <b>Inside Earth</b></p> <p>Also see  <b>Sound Energy</b> SKB 2 (opportunity: spatial and temporal relationships)</p>



**Grade 4**  
**Common Core State Standards for English Language Arts**  
**Correlation to Delta Science Content Readers**

Grade 4 Standard	Page References for Delta Science Content Readers
<b>Reading Standards for Informational Text</b>	
<i>Key Ideas and Details</i>	
<b>RI.4.1</b> Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.	<b>All DSCR titles</b> <b>SE:</b> The “Checkpoint” questions at the end of every subsection of all DSCR SEs; the “Reflect on Reading” features at end of every chapter; and the “Let’s Review” questions on the inside back cover require students to explain what the text says explicitly and to draw inferences from the text.
<b>RI.4.2</b> Determine the main idea of a text and explain how it is supported by key details; summarize the text.	<b>Air and Water</b> SE 20, 23, inside back cover; TG 5, 8 <b>Animal Needs and Life Cycles</b> SE 10, 17, inside back cover; TG 3, 4, 8; SKB 1 <b>Cells and Classification</b> SE 20, 23; TG 5; SKB 1 <b>Changes in Ecosystems</b> SE 10, 19, inside back cover; TG 4, 5, 8 <b>Changes in Matter</b> SE 18, 23, inside back cover; TG 5, 8; SKB 1 <b>Ecosystems</b> SE 8, 15, inside back cover; TG 3, 4, 8 <b>Electricity and Magnetism</b> SE 20, 23; TG 5 <b>Energy</b> SE 16, 19; TG 4, 5; SKB 1 <b>Heredity</b> SE 20, 23, inside back cover; TG 5, 8 <b>Minerals, Rocks, and Fossils</b> SE 14, 17; TG 4 <b>Our Solar System and Beyond</b> SE 16, 23, inside back cover; TG 4, 5, 8; SKB 1 <b>Plant Life Cycles</b> SE 20, 23; TG 5 <b>Plant Needs</b> SE 16, 19; TG 4, 5 <b>Soils</b> SE 18, 23, inside back cover; TG 4, 5, 8; SKB 1 <b>Weather and Climate</b> SE 20, 23; TG 5 <b>Weathering and Erosion</b> SE 20, 23; TG 5 <b>Work and Machines</b> SE 20, 23, inside back cover; TG 5, 8

Grade 4 Standard	Page References for Delta Science Content Readers
<p><b>RI.4.3</b> Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.</p>	<p><b>All DSCR titles</b>  <b>SE:</b> Checkpoint questions for each section, Let’s Review (inside back cover), and Apply Science Concepts features ask students to explain concepts, including what happens and why. For example:  <b>Animal Needs and Life Cycles</b> SE 17  <b>Changes in Matter</b> SE 10  <b>Earth Moon, and Sun System</b> SE 17  <b>Human Body System</b> SE 11  <b>Properties of Matter</b> SE 16  <b>Soils</b> SE 17  <b>Weather and Climate</b> SE 18</p> <p>In addition, see the following:  <b>Changes in Ecosystems</b> SE 8, 15; TG 3; SKB 1, 3  <b>Earth, Moon, and Sun System</b> SE 12, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Ecosystems</b> SE inside back cover; TG 8; SKB 3  <b>Energy</b> SE 20, 23, inside back cover; TG 5, 8  <b>Forces and Motion</b> SE 18, 23; TG 4, 5; SKB 1  <b>Heat and Light Energy</b> SE 10, 15, 16, 19, inside back cover; TG 3, 4, 5, 8; SKB 1, 3  <b>Heredity</b> SE 6, 13; TG 3; SKB 1, 3  <b>Inside Earth</b> SE 16, 23; TG 4, 5; SKB 1  <b>Minerals, Rocks, and Fossils</b> SE 18, 23, inside back cover; TG 5, 8; SKB 1  <b>Plant Life Cycles</b> SE 16, 19; TG 4, 5; SKB 1  <b>Plant Needs</b> SE 20, 23; TG 5  <b>Weathering and Erosion</b> SE 12, 19; TG 4, 5, 8; SKB 1  <b>Work and Machines</b> SE 6, 9; TG 3</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<b>Craft and Structure</b>	
<p><b>RI.4.4</b> Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a grade 4 topic or subject area.</p>	<p><b>All DSCR titles</b></p> <p><b>SE:</b> Vocabulary development is supported in all DSCR SEs through the vocabulary preview, vocabulary lists on each chapter opener, boldface words defined in context, and glossary. <b>Checkpoint</b> questions are provided during reading so teachers can reinforce and extend understanding of the relationships between concepts and domain-specific vocabulary.</p> <p><b>TG: Preview the Book</b> (Build Reading Skills) (TG 2) Teachers and students preview science vocabulary before reading. Teachers are prompted to display vocabulary words in a graphic organizer during reading (TG 2). The graphic organizer supports class discussions of the relationship between vocabulary and the concept each word represents. In addition, all TGs include vocabulary support for each <b>Make a Connection</b> feature (two to four per book). <b>After Reading</b> activities deepen and extend understanding of vocabulary.</p> <p><b>SKB:</b> All DSCR SKBs have one vocabulary page (SKB 4) dedicated to general academic and domain-specific vocabulary building.</p> <p>In addition, <b>Supporting English Learners</b> (TG 1) for the following titles provides opportunities for vocabulary development that can be used with all learners:</p> <ul style="list-style-type: none"> <li><b>Air and Water</b></li> <li><b>Cells and Classification</b></li> <li><b>Changes in Matter</b></li> <li><b>Earth, Moon, and Sun System</b></li> <li><b>Ecosystems</b></li> <li><b>Energy</b></li> <li><b>Forces and Motion</b></li> <li><b>Heat and Light Energy</b></li> <li><b>Heredity</b></li> <li><b>Inside Earth</b></li> <li><b>Plant Life Cycles</b></li> <li><b>Properties of Matter</b></li> <li><b>Soils</b></li> <li><b>Weathering and Erosion</b></li> </ul> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 7, 8, 9, 10</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<p><b>RI.4.5</b> Describe the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in a text or part of a text.</p>	<p><b>Cells and Classification</b> SE 6, 11; TG 5; SKB 3  <b>Changes in Ecosystems</b> SE 8, 15, 20, 23; TG 3, 5; SKB 1, 3  <b>Changes in Matter</b> SE 7; TG 3; SKB 3  <b>Earth, Moon, and Sun System</b> SE 12, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Ecosystems</b> SE 23; TG 5; SKB 3  <b>Electricity and Magnetism</b> SE 10, 13, inside back cover; TG 3, 4, 8; SKB 1  <b>Energy</b> SE 20, 23, inside back cover; TG 5, 8  <b>Forces and Motion</b> SE 18, 23; TG 4, 5; SKB 1  <b>Heat and Light Energy</b> SE 10, 15, 16, 19, inside back cover; TG 3, 4, 5, 8; SKB 1, 3  <b>Heredity</b> SE 6, 13; TG 3; SKB 1, 3  <b>Inside Earth</b> SE 16, 23; TG 4, 5; SKB 1  <b>Minerals, Rocks, and Fossils</b> SE 18, 23, inside back cover; TG 5, 8; SKB 1  <b>Plant Life Cycles</b> SE 16, 19; TG 4, 5; SKB 1  <b>Plant Needs</b> SE 20, 23; TG 5  <b>Properties of Matter</b> SE 14, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Soils</b> SE 10, 17; TG 3, 4; SKB 3  <b>Sound Energy</b> SE 16, 23, inside back cover; TG 4, 5, 8  <b>Weather and Climate</b> SKB 3  <b>Weathering and Erosion</b> SE 6, 11, 12, 19, inside back cover; TG 3, 4, 5, 8; SKB 1, 3  <b>Work and Machines</b> SE 6, 9; TG 3</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<b>Integration of Knowledge and Ideas</b>	
<p><b>RI.4.7</b> Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.</p>	<p><b>Air and Water</b> SE 8, 19; TG 2, 3, 4, 5; SKB 1  <b>Animal Needs and Life Cycles</b> SE 18, 23; TG 4, 5  <b>Cells and Classification</b> SE 12, 19, inside back cover; TG 2, 3, 4, 5, 8; SKB 1  <b>Changes in Matter</b> SE 8, 16; TG 3, 4, 5  <b>Ecosystems</b> SE 16, 23; TG 2, 3, 5, 8; SKB 1  <b>Electricity and Magnetism</b> SE 14, 19; TG 4, 5  <b>Energy</b> SE 8; TG 3  <b>Forces and Motion</b> SE 10, 17; TG 3, 4  <b>Heat and Light Energy</b> SE 20, 23; TG 5  <b>Heredity</b> SE 14, 19; TG 4  <b>Human Body Systems</b> SE 6, 22, inside back cover; TG 3, 5, 8; SKB 1  <b>Inside Earth</b> SE 8, 15, inside back cover; TG 2, 3, 4, 5, 8  <b>Minerals, Rocks, and Fossils</b> SE 8, 13; TG 3, 4  <b>Our Solar System and Beyond</b> TG 2, 4, 5  <b>Plant Life Cycles</b> SE 6, 15, inside back cover; TG 1 (Supporting English Learners), 3, 4, 8  <b>Plant Needs</b> SE 8, 15, inside back cover; TG 3, 4, 8  <b>Properties of Matter</b> SE 2, 13; TG 2, 4  <b>Soils</b> SE 2, 9; TG 1 (Supporting English Learners), 2, 3  <b>Sound Energy</b> SE 8, 15; TG 3, 4  <b>Weather and Climate</b> SE 14, 19, 23, inside back cover; TG 4, 5, 8  <b>Weathering and Erosion</b> TG 1 (Supporting English Learners)  <b>Work and Machines</b> SE 10, 19; TG 3, 5; SKB 1</p>
<p><b>RI.4.9</b> Integrate information from two texts on the same topic in order to write or speak about the subject knowledgeably.</p>	<p><b>Changes in Ecosystems</b> SE 19 (Apply Science Concepts)  <b>Earth, Moon, Sun System</b> SE 23 (Apply Science Concepts)  <b>Plant Life Cycles</b> SE 15 (Apply Science Concepts)  <b>Weathering and Erosion</b> SE 5 (Apply Science Concepts)</p>
<b>Range of Reading and Level of Text Complexity</b>	
<p><b>RI.4.10</b> By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 4–5 text complexity band proficiently, with scaffolding as needed at the high end of the range.</p>	<p><b>All DSCR titles</b> TG 1 lists reading comprehension skills. SKB 1 always includes reading comprehension skill development.</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<b>Reading Standards: Foundational Skills</b>	
<b><i>Phonics and Word Recognition</i></b>	
<p><b>RF.4.3</b> Know and apply grade-level phonics and word analysis skills in decoding words.</p>	<p><i>See below.</i></p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 4, 5</p>
<p><b>RF.4.3.a</b> Use combined knowledge of all letter-sound correspondences, syllabication patterns, and morphology (e.g., roots and affixes) to read accurately unfamiliar multisyllabic words in context and out of context.</p>	<p><b>Air and Water</b> TG 1 (Supporting English Learners)  <b>Animal Needs and Life Cycles</b> SKB 4  <b>Cells and Classification</b> TG 1 (Supporting English Learners)  <b>Changes in Ecosystems</b> SKB 4  <b>Changes in Matter</b> SKB 4  <b>Changes in Matter</b> SKB 4  <b>Earth, Moon, and Sun System</b> SKB 4  <b>Heat and Light Energy</b> TG 1 (Supporting English Learners); SKB 4  <b>Human Body Systems</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4  <b>Plant Needs</b> SKB 4  <b>Properties of Matter</b> TG 1 (Supporting English Learners)</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 4, 5</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<b>Fluency</b>	
<b>RF.4.4</b> Read with sufficient accuracy and fluency to support comprehension.	<i>See below.</i>
<b>RF.4.4.a</b> Read on-level text with purpose and understanding.	<p><b>All DSCR titles</b></p> <p><b>TG:</b> K-W-L chart (TG 2) helps students set a purpose for reading. “Checkpoint” questions are provided during reading so teachers can reinforce and extend understanding of the relationships between concepts and vocabulary. After reading activities deepen and extend understanding.</p> <p><b>SE:</b> “Find Out About” statements at the start of every section help students set a purpose for reading.</p> <p>Also see:</p> <p><b>Plant Needs</b> SKB 1  <b>Sound Energy</b> SKB 1  <b>Weather and Climate</b> SKB 1</p> <p>In addition,  <b>TG 1, Supporting English Learners</b>, for the following titles provides suggestions for setting a purpose for reading that can be used with all students:</p> <p><b>Animal Needs and Life Cycles</b> (Set Objectives)  <b>Changes in Ecosystems</b> (Set Objectives)  <b>Electricity and Magnetism</b> (Activate Prior Knowledge)  <b>Minerals, Rocks, and Fossils</b> (Set Objectives)  <b>Our Solar System and Beyond</b> (Set Objectives)  <b>Plant Needs</b> (Activate Prior Knowledge)  <b>Sound Energy</b> (Set Objectives)  <b>Weather and Climate</b> (Activate Prior Knowledge)</p>
<b>RF.4.4.c</b> Use context to confirm or self-correct word recognition and understanding, rereading as necessary.	<p><b>Animal Needs and Life Cycles</b> SKB 4  <b>Energy</b> SKB 4  <b>Human Body Systems</b> SKB 4  <b>Inside Earth</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4  <b>Our Solar System and Beyond</b> SKB 4  <b>Plant Life Cycles</b> SKB 4  <b>Properties of Matter</b> SKB 4</p> <p>Also see  <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 8</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<b>Writing Standards</b>	
<i>Text Types and Purposes</i>	
<b>W.4.1</b> Write opinion pieces on topics or texts, supporting a point of view with reasons and information.	<i>See below.</i>  <i>Also see</i> <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 4, 6
<b>W.4.1.a</b> Introduce a topic or text clearly, state an opinion, and create an organizational structure in which related ideas are grouped to support the writer’s purpose.	<b>Air and Water</b> SKB 3 <b>Changes in Ecosystems</b> SE inside back cover; TG 8 <b>Earth, Moon, and Sun System</b> SKB 3 <b>Ecosystems</b> SE inside back cover; TG 8 (opportunity) <b>Electricity and Magnetism</b> SKB 3 <b>Our Solar System and Beyond</b> SKB 3 <b>Plant Needs</b> SKB 3 <b>Soils</b> SE inside back cover; TG 8
<b>W.4.1.b</b> Provide reasons that are supported by facts and details.	<b>Air and Water</b> SKB 3 <b>Changes in Ecosystems</b> SE inside back cover; TG 8 <b>Earth, Moon, and Sun System</b> SKB 3 <b>Ecosystems</b> SE inside back cover; TG 8 (opportunity) <b>Electricity and Magnetism</b> SKB 3 <b>Our Solar System and Beyond</b> SKB 3 <b>Plant Needs</b> SKB 3 <b>Soils</b> SE inside back cover; TG 8
<b>W.4.1.c</b> Link opinion and reasons using words and phrases (e.g., for instance, in order to, in addition).	The following provide opportunities to link opinion and reasons using words and phrases: <b>Air and Water</b> SKB 3 <b>Changes in Ecosystems</b> SE inside back cover; TG 8 <b>Earth, Moon, and Sun System</b> SKB 3 <b>Electricity and Magnetism</b> SKB 3 <b>Plant Needs</b> SKB 3
<b>W.4.1.d</b> Provide a concluding statement or section related to the opinion presented.	<b>Changes in Ecosystems</b> SE inside back cover; TG 8 <b>Ecosystems</b> SKB 3 <b>Electricity and Magnetism</b> SKB 3 <b>Soils</b> SE inside back cover; TG 8
<b>W.4.2</b> Write informative/explanatory texts to examine a topic and convey ideas and information clearly.	<i>See below.</i>  <i>Also see</i> <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 1, 3, 5, 7, 9



Grade 4 Standard	Page References for Delta Science Content Readers
<p><b>W.4.2.a</b> Introduce a topic clearly and group related information in paragraphs and sections; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.</p>	<p><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3  <b>Cells and Classification</b> SKB 1, 3  <b>Changes in Ecosystems</b> SKB 3  <b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8  <b>Ecosystems</b> SKB 3  <b>Forces and Motion</b> SKB 3  <b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3  <b>Heredity</b> SE inside back cover; TG 8  <b>Human Body Systems</b> SKB 3  <b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3  <b>Our Solar System and Beyond</b> SE inside back cover; TG 8  <b>Plant Life Cycles</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Soils</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8  <b>Weathering and Erosion</b> SKB 3  <b>Work and Machines</b> SE inside back cover; TG 8</p>
<p><b>W.4.2.b</b> Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic.</p>	<p><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3  <b>Cells and Classification</b> SKB 1, 3  <b>Changes in Ecosystems</b> SKB 3  <b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8  <b>Ecosystems</b> SKB 3  <b>Forces and Motion</b> SKB 3  <b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3  <b>Heredity</b> SE inside back cover; TG 8  <b>Human Body Systems</b> SKB 3  <b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3  <b>Our Solar System and Beyond</b> SE inside back cover; TG 8  <b>Plant Life Cycles</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Soils</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8  <b>Weathering and Erosion</b> SKB 3  <b>Work and Machines</b> SE inside back cover; TG 8</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<p><b>W.4.2.c</b> Link ideas within categories of information using words and phrases (e.g., another, for example, also, because).</p>	<p>The following provide opportunities to link ideas within categories of information using words and phrases:</p> <p><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3  <b>Cells and Classification</b> SKB 1, 3  <b>Changes in Ecosystems</b> SKB 3  <b>Changes in Matter</b> SKB 3  <b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8  <b>Ecosystems</b> SKB 3  <b>Forces and Motion</b> SKB 3  <b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3  <b>Heredity</b> SE inside back cover; TG 8; SKB 3  <b>Human Body Systems</b> SKB 3  <b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3  <b>Our Solar System and Beyond</b> SE inside back cover; TG 8  <b>Plant Life Cycles</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Soils</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8  <b>Weathering and Erosion</b> SKB 3  <b>Work and Machines</b> SE inside back cover; TG 8</p>
<p><b>W.4.2.d</b> Use precise language and domain-specific vocabulary to inform about or explain the topic.</p>	<p>The following provide opportunities to use precise language and domain-specific vocabulary to inform about or explain the topic:</p> <p><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3  <b>Cells and Classification</b> SKB 1, 3  <b>Changes in Ecosystems</b> SKB 3  <b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8  <b>Ecosystems</b> SKB 3  <b>Forces and Motion</b> SKB 3  <b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3  <b>Heredity</b> SE inside back cover; TG 8  <b>Human Body Systems</b> SKB 3  <b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3  <b>Our Solar System and Beyond</b> SE inside back cover; TG 8  <b>Plant Life Cycles</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Soils</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8; SKB 3  <b>Weathering and Erosion</b> SKB 3  <b>Work and Machines</b> SE inside back cover; TG 8</p>

<b>Grade 4 Standard</b>	<b>Page References for Delta Science Content Readers</b>
<p><b>W.4.2.e</b> Provide a concluding statement or section related to the information or explanation presented.</p>	<p><b>Changes in Ecosystems</b> SKB 3 (opportunity)  <b>Ecosystems</b> SKB 3  <b>Human Body Systems</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8  <b>Weathering and Erosion</b> SKB 3</p>
<b><i>Production and Distribution of Writing</i></b>	
<p><b>W.4.4</b> Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1–3 above.)</p>	<p><b>All DSCR titles</b> SE inside back cover; TG 8; SKB 3</p>
<p><b>W.4.5</b> With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, and editing. (Editing for conventions should demonstrate command of Language standards 1–3 up to and including grade 4.)</p>	<p><b>All DSCR titles</b> SE inside back cover; TG 8; SKB 3</p>
<p><b>W.4.6</b> With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single setting.</p>	<p><b>Changes in Ecosystems</b> SE 19 (Apply Science Concepts)  <b>Earth, Moon, and Sun System</b> SE 23 (Apply Science Concepts)  <b>Inside Earth</b> SE 15 (Apply Science Concepts)  <b>Minerals, Rocks, and Fossils</b> SE 17 (Apply Science Concepts), inside back cover (Try It)  <b>Plant Needs</b> SE inside back cover (Write)  <b>Properties of Matter</b> SE inside back cover (Write)  <b>Weather and Climate</b> SE 19 (Apply Science Concepts), inside back cover (Write)  <b>Weathering and Erosion</b> SE 5, 19 (Apply Science Concepts)</p>
<b><i>Research to Build and Present Knowledge</i></b>	
<p><b>W.4.7</b> Conduct short research projects that build knowledge through investigation of different aspects of a topic.</p>	<p><b>Air and Water</b> SE 7; TG 3  <b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8  <b>Changes in Ecosystems</b> SE 19  <b>Earth, Moon, Sun System</b> SE 23; TG 5  <b>Inside Earth</b> SE 15; TG 4; SKB 3  <b>Minerals, Rocks, and Fossils</b> SE 17, inside back cover  <b>Plant Needs</b> SE inside back cover; TG 8  <b>Properties of Matter</b> SE inside back cover; TG 8  <b>Weather and Climate</b> SE 19, inside back cover  <b>Weathering and Erosion</b> SE 5, 19</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<p><b>W.4.8</b> Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information, and provide a list of sources.</p>	<p><b>Air and Water</b> SE 7; TG 3  <b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8  <b>Changes in Ecosystems</b> SE 19; TG 5  <b>Earth, Moon, Sun System</b> SE 23; TG 5  <b>Inside Earth</b> SE 15; TG 4; SKB 3  <b>Minerals, Rocks, and Fossils</b> SE 13, 17; TG 4  <b>Plant Life Cycles</b> SE 15; TG 4  <b>Plant Needs</b> SE inside back cover; TG 8  <b>Properties of Matter</b> SE inside back cover; TG 8  <b>Weather and Climate</b> SE 19; TG 5  <b>Weathering and Erosion</b> SE 5, 19; TG 2, 5</p>
<p><b>W.4.9</b> Draw evidence from literary or informational texts to support analysis, reflection, and research.</p>	<p><i>See below.</i></p>
<p><b>W.4.9.b</b> Apply grade 4 Reading standards to informational texts (e.g., “Explain how an author uses reasons and evidence to support particular points in a text.”).</p>	<p><i>See RI.4.1–RI.4.10.</i></p>
<p><b>Range of Writing</b></p>	
<p><b>W.4.10</b> Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.</p>	<p><b>All DSCR titles</b>  <b>SE and TG:</b> In addition to the Writing standards met above, which comprise shorter time frames, students write routinely over extended time frames in their science notebooks, recording observations and ideas, conducting research, organizing information, and answering questions.                      Also see:  <b>Weather and Climate</b> SE 13; TG 4</p>

**Language Standards**

**Conventions of Standard English**

<p><b>L.4.1</b> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.</p>	<p><b>All DSCR titles</b> SKB 2, 3   <i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 6</p>
<p><b>L.4.1.e</b> Form and use prepositional phrases.</p>	<p><b>Sound Energy</b> SKB 2</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<p><b>L.4.1.f</b> Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons.</p>	<p>The following provide opportunities to recognize and produce complete sentences:  <b>Cells and Classification</b> SKB 2  <b>Changes in Ecosystems</b> SKB 2  <b>Electricity and Magnetism</b> SKB 2  <b>Heredity</b> SKB 2  <b>Human Body Systems</b> SKB 2  <b>Inside Earth</b> SKB 2  <b>Properties of Matter</b> SKB 2  <b>Soils</b> SKB 2  <b>Weather and Climate</b> SKB 2  <b>Work and Machines</b> SKB 2</p> <p><b>Also see these writing opportunities for all DSCR titles:</b>                      SE inside back cover; SKB 3</p>
<p><b>L.4.2</b> Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.</p>	<p>The following provide opportunities to demonstrate command of the conventions of standard English capitalization, punctuation, and spelling:  <b>Air and Water</b> SKB 2  <b>Cells and Classification</b> SKB 2  <b>Earth, Moon, and Sun System</b> SKB 2  <b>Electricity and Magnetism</b> SKB 2  <b>Heredity</b> SKB 2  <b>Human Body Systems</b> SKB 2  <b>Our Solar System and Beyond</b> SKB 2  <b>Soils</b> SKB 2  <b>Work and Machines</b> SKB 2</p> <p><b>Also see these writing opportunities for all DSCR titles:</b>                      SE inside back cover; SKB 3</p>
<p><b>L.4.2.a</b> Use correct capitalization.</p>	<p><b>Air and Water</b> SKB 2  <b>Our Solar System and Beyond</b> SKB 2</p>
<p><b>L.4.2.c</b> Use a comma before a coordinating conjunction in a compound sentence.</p>	<p><b>Earth, Moon, and Sun System</b> SKB 2  <b>Heredity</b> SKB 2  <b>Inside Earth</b> SKB 2  <b>Work and Machines</b> SKB 2</p>
<p><b>L.4.2.d</b> Spell grade-appropriate words correctly, consulting references as needed.</p>	<p>Each SE has a glossary that can be used by students as a reference for spelling.</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Dictionary (all pages);                      Copymasters 1, 2, 3</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<b>Knowledge of Language</b>	
<b>L.4.3</b> Use knowledge of language and its conventions when writing, speaking, reading, or listening.	<i>See below.</i>
<b>L.4.3.a</b> Choose words and phrases to convey ideas precisely.	<b>All DSCR titles</b> SE inside back cover; SKB 3
<b>L.4.3.b</b> Choose punctuation for effect.	<b>Cells and Classification</b> SKB 2 <b>Electricity and Magnetism</b> SKB 2 <b>Human Body Systems</b> SKB 2 <b>Soils</b> SKB 2
<b>Vocabulary for Acquisition and Use</b>	
<b>L.4.4</b> Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies.	<b>Air and Water</b> TG 1 Develop Vocabulary (Supporting English Learners); SKB 4 <b>Cells and Classification</b> TG 1 Develop Vocabulary (Supporting English Learners) <b>Ecosystems</b> SKB 4 <b>Energy</b> SKB 4 <b>Heat and Light Energy</b> TG 1 Develop Vocabulary (Supporting English Learners) <b>Heredity</b> TG 1 Develop Vocabulary (Supporting English Learners) <b>Inside Earth</b> SKB 4 <b>Plant Life Cycles</b> SKB 4 <b>Properties of Matter</b> TG 1 Develop Vocabulary (Supporting English Learners) <b>Sound Energy</b> SKB 4 <b>Weathering and Erosion</b> SKB 4 <b>Work and Machines</b> SKB 4
<b>L.4.4.a</b> Use context (e.g., definitions, examples, or restatements in text) as a clue to the meaning of a word or phrase.	<b>Energy</b> SKB 4 <b>Inside Earth</b> SKB 4 <b>Our Solar System and Beyond</b> SKB 4 <b>Plant Life Cycles</b> SKB 4 <b>Properties of Matter</b> SKB 4 <b>Work and Machines</b> SKB 4  <i>Also see</i> <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 8

Grade 4 Standard	Page References for Delta Science Content Readers
<p><b>L.4.4.b</b> Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., telegraph, photograph, autograph).</p>	<p><b>Air and Water</b> TG 1 (Supporting English Learners)  <b>Animal Needs and Life Cycles</b> SKB 4  <b>Cells and Classification</b> TG 1 (Supporting English Learners)  <b>Changes in Ecosystems</b> SKB 4  <b>Changes in Matter</b> SKB 4  <b>Earth, Moon, and Sun System</b> SKB 4  <b>Heat and Light Energy</b> TG 1 (Supporting English Learners); SKB 4  <b>Human Body Systems</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4  <b>Plant Needs</b> SKB 4  <b>Properties of Matter</b> TG 1 (Supporting English Learners)</p>
<p><b>L.4.4.c</b> Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.</p>	<p><b>All DSCR titles</b> TG 2</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Dictionary (all pages); Copymasters 5, 7, 8, 9, 10</p>
<p><b>L.4.5</b> Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.</p>	<p><i>See below.</i></p>
<p><b>L.4.5.a</b> Explain the meaning of simple similes and metaphors (e.g., as pretty as a picture) in context.</p>	<p><b>Minerals, Rocks, and Fossils</b> SKB 3 (opportunity)  <b>Weather and Climate</b> SKB 3</p>
<p><b>L.4.5.c</b> Demonstrate understanding of words by relating them to their opposites (antonyms) and to words with similar but not identical meanings (synonyms).</p>	<p><b>Cells and Classification</b> SKB 4  <b>Electricity and Magnetism</b> SKB 4  <b>Forces and Motion</b> SKB 4  <b>Heredity</b> SKB 4  <b>Soils</b> SKB 4  <b>Weather and Climate</b> SKB 4</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 9</p>

Grade 4 Standard	Page References for Delta Science Content Readers
<p><b>L.4.6</b> Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal precise actions, emotions, or states of being (e.g., quizzed, whined, stammered) and that are basic to a particular topic (e.g., wildlife, conservation, and endangered when discussing animal preservation).</p>	<p><b>All DSCR titles</b>  <b>SE:</b> Vocabulary development is supported in all DSCR SEs through the vocabulary preview, vocabulary lists on each chapter opener, boldface words defined in context, and glossary. <b>Checkpoint</b> questions are provided during reading so teachers can reinforce and extend understanding of the relationships between concepts and domain-specific vocabulary.</p> <p><b>TG: Preview the Book</b> (Build Reading Skills) (TG 2) Teachers and students preview science vocabulary before reading. Teachers are prompted to display vocabulary words in a graphic organizer during reading (TG 2). The graphic organizer supports class discussions of the relationship between vocabulary and the concept each word represents. In addition, all TGs include vocabulary support for each <b>Make a Connection</b> feature (two to four per book). <b>After Reading</b> activities deepen and extend understanding of vocabulary.</p> <p><b>SKB:</b> All DSCR SKBs have one vocabulary page (SKB 4) dedicated to general academic and domain-specific vocabulary building.</p> <p>In addition, see TG 1 <b>Teach Academic English</b> (Supporting English Learners) for the following titles:  <b>Changes in Matter</b>  <b>Earth, Moon and Sun System</b>  <b>Forces and Motion</b>  <b>Human Body Systems</b>  <b>Inside Earth</b></p>



**Grade 5**  
**Common Core State Standards for English Language Arts**  
**Correlation to Delta Science Content Readers**

Grade 5 Standard	Page References for Delta Science Content Readers
<b>Reading Standards for Informational Text</b>	
<b>Key Ideas and Details</b>	
<p><b>RI.5.1</b> Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.</p>	<p><b>All DSCR titles</b>  <b>SE:</b> The “Checkpoint” questions at the end of every subsection of all DSCR SEs; the “Reflect on Reading” features at end of every chapter; and the “Let’s Review” questions on the inside back cover require students to explain what the text says explicitly and to draw inferences from the text.</p>
<p><b>RI.5.2</b> Determine two or more main ideas of a text and explain how they are supported by key details; summarize the text.</p>	<p><b>Air and Water</b> SE 20, 23, inside back cover; TG 5, 8  <b>Animal Needs and Life Cycles</b> SE 10, 17, inside back cover; TG 3, 4, 8; SKB 1  <b>Cells and Classification</b> SE 20, 23; TG 5; SKB 1  <b>Changes in Ecosystems</b> SE 10, 19, inside back cover; TG 4, 5, 8  <b>Changes in Matter</b> SE 18, 23, inside back cover; TG 5, 8; SKB 1  <b>Ecosystems</b> SE 8, 15, inside back cover; TG 3, 4, 8  <b>Electricity and Magnetism</b> SE 20, 23; TG 5  <b>Energy</b> SE 16, 19; TG 4, 5; SKB 1  <b>Heredity</b> SE 20, 23, inside back cover; TG 5, 8  <b>Minerals, Rocks, and Fossils</b> SE 14, 17; TG 4  <b>Our Solar System and Beyond</b> SE 16, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Plant Life Cycles</b> SE 20, 23; TG 5  <b>Plant Needs</b> SE 16, 19; TG 4, 5  <b>Soils</b> SE 18, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Weather and Climate</b> SE 20, 23; TG 5  <b>Weathering and Erosion</b> SE 20, 23; TG 5  <b>Work and Machines</b> SE 20, 23, inside back cover; TG 5, 8</p>

Grade 5 Standard	Page References for Delta Science Content Readers
<p><b>RI.5.3</b> Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information from the text.</p>	<p><b>Cells and Classification</b> SE 6, 11; TG 5; SKB 3  <b>Changes in Ecosystems</b> SE 8, 15, 20, 23; TG 3, 5; SKB 1, 3  <b>Changes in Matter</b> SE 7; TG 3; SKB 3  <b>Earth, Moon, and Sun System</b> SE 12, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Ecosystems</b> SE inside back cover; TG 8; SKB 3  <b>Electricity and Magnetism</b> SE 10, 13, inside back cover; TG 3, 4, 8; SKB 1  <b>Energy</b> SE 20, 23, inside back cover; TG 5, 8  <b>Forces and Motion</b> SE 18, 23; TG 4, 5; SKB 1  <b>Heat and Light Energy</b> SE 10, 15, 16, 19, inside back cover; TG 3, 4, 5, 8; SKB 1, 3  <b>Heredity</b> SE 6, 13; TG 3; SKB 1, 3  <b>Inside Earth</b> SE 16, 23; TG 4, 5; SKB 1  <b>Minerals, Rocks, and Fossils</b> SE 18, 23, inside back cover; TG 5, 8; SKB 1  <b>Plant Life Cycles</b> SE 16, 19; TG 4, 5; SKB 1  <b>Plant Needs</b> SE 20, 23; TG 5  <b>Properties of Matter</b> SE 14, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Soils</b> SE 10, 17; TG 3, 4; SKB 3  <b>Sound Energy</b> SE 16, 23, inside back cover; TG 4, 5, 8  <b>Weather and Climate</b> SKB 3  <b>Weathering and Erosion</b> SE 6, 11, 12, 19, inside back cover; TG 4, 5, 8; SKB 1  <b>Work and Machines</b> SE 6, 9; TG 3</p>

Grade 5 Standard	Page References for Delta Science Content Readers
<b>Craft and Structure</b>	
<p><b>RI.5.4</b> Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a grade 5 topic or subject area.</p>	<p><b>All DSCR titles</b>  <b>SE:</b> Vocabulary development is supported in all DSCR SEs through the vocabulary preview, vocabulary lists on each chapter opener, boldface words defined in context, and glossary. <b>Checkpoint</b> questions are provided during reading so teachers can reinforce and extend understanding of the relationships between concepts and domain-specific vocabulary.</p> <p><b>TG: Preview the Book</b> (Build Reading Skills) (TG 2) Teachers and students preview science vocabulary before reading. Teachers are prompted to display vocabulary words in a graphic organizer during reading (TG 2). The graphic organizer supports class discussions of the relationship between vocabulary and the concept each word represents. In addition, all TGs include vocabulary support for each <b>Make a Connection</b> feature (two to four per book). <b>After Reading</b> activities deepen and extend understanding of vocabulary.</p> <p><b>SKB:</b> All DSCR SKBs have one vocabulary page (SKB 4) dedicated to general academic and domain-specific vocabulary building.</p> <p>In addition, <b>Supporting English Learners</b> (TG 1) for the following titles provides opportunities for vocabulary development that can be used with all learners:</p> <p><b>Air and Water</b>  <b>Cells and Classification</b>  <b>Changes in Matter</b>  <b>Earth, Moon, and Sun System</b>  <b>Ecosystems</b>  <b>Energy</b>  <b>Forces and Motion</b>  <b>Heat and Light Energy</b>  <b>Heredity</b>  <b>Inside Earth</b>  <b>Plant Life Cycles</b>  <b>Properties of Matter</b>  <b>Soils</b>  <b>Weathering and Erosion</b></p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 7, 8, 9, 10  <b>Delta Science Dictionary, Grades 5-8</b> Copymasters 7, 8, 9, 10</p>
<b>Integration of Knowledge and Ideas</b>	
<p><b>RI.5.9</b> Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably.</p>	<p><b>Changes in Ecosystems</b> SE 19 (Apply Science Concepts)  <b>Earth, Moon, Sun System</b> SE 23 (Apply Science Concepts)  <b>Plant Life Cycles</b> SE 15 (Apply Science Concepts)  <b>Weathering and Erosion</b> SE 5 (Apply Science Concepts)</p>

Grade 5 Standard	Page References for Delta Science Content Readers
<b><i>Range of Reading and Level of Text Complexity</i></b>	
<p><b>RI.5.10</b> By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 4–5 text complexity band independently and proficiently.</p>	<p><b>All DSCR titles</b> TG 1 lists reading comprehension skills. SKB 1 always includes reading comprehension skill development.</p>

<b>Reading Standards: Foundational Skills</b>	
<b><i>Phonics and Word Recognition</i></b>	
<p><b>RF.5.3</b> Know and apply grade-level phonics and word analysis skills in decoding words.</p>	<p><i>See below.</i></p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 4, 5  <b>Delta Science Dictionary, Grades 5-8</b> Copymasters 4, 5</p>
<p><b>RF.5.3.a</b> Use combined knowledge of all letter-sound correspondences, syllabication patterns, and morphology (e.g., roots and affixes) to read accurately unfamiliar multisyllabic words in context and out of context.</p>	<p><b>Air and Water</b> TG 1 (Supporting English Learners)  <b>Animal Needs and Life Cycles</b> SKB 4  <b>Cells and Classification</b> TG 1 (Supporting English Learners)  <b>Changes in Ecosystems</b> SKB 4  <b>Changes in Matter</b> SKB 4  <b>Changes in Matter</b> SKB 4  <b>Earth, Moon, and Sun System</b> SKB 4  <b>Heat and Light Energy</b> TG 1 (Supporting English Learners); SKB 4  <b>Human Body Systems</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4  <b>Plant Needs</b> SKB 4  <b>Properties of Matter</b> TG 1 (Supporting English Learners)</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 4, 5  <b>Delta Science Dictionary, Grades 5-8</b> Copymasters 4, 5</p>

Grade 5 Standard	Page References for Delta Science Content Readers
<b>Fluency</b>	
<b>RF.5.4</b> Read with sufficient accuracy and fluency to support comprehension.	<i>See below.</i>
<b>RF.5.4.a</b> Read on-level text with purpose and understanding.	<p><b>All DSCR titles</b></p> <p><b>TG:</b> K-W-L chart (TG 2) helps students set a purpose for reading. “Checkpoint” questions are provided during reading so teachers can reinforce and extend understanding of the relationships between concepts and vocabulary. After reading activities deepen and extend understanding.</p> <p><b>SE:</b> “Find Out About” statements at the start of every section help students set a purpose for reading.</p> <p>Also see:  <b>Plant Needs</b> SKB 1  <b>Sound Energy</b> SKB 1  <b>Weather and Climate</b> SKB 1</p> <p>In addition,  <b>TG 1, Supporting English Learners</b>, for the following titles provides suggestions for setting a purpose for reading that can be used with all students:  <b>Animal Needs and Life Cycles</b> (Set Objectives)  <b>Changes in Ecosystems</b> (Set Objectives)  <b>Electricity and Magnetism</b> (Activate Prior Knowledge)  <b>Minerals, Rocks, and Fossils</b> (Set Objectives)  <b>Our Solar System and Beyond</b> (Set Objectives)  <b>Plant Needs</b> (Activate Prior Knowledge)  <b>Sound Energy</b> (Set Objectives)  <b>Weather and Climate</b> (Activate Prior Knowledge)</p>
<b>RF.5.4.c</b> Use context to confirm or self-correct word recognition and understanding, rereading as necessary.	<p><b>Animal Needs and Life Cycles</b> SKB 4  <b>Energy</b> SKB 4  <b>Human Body Systems</b> SKB 4  <b>Inside Earth</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4  <b>Our Solar System and Beyond</b> SKB 4  <b>Plant Life Cycles</b> SKB 4  <b>Properties of Matter</b> SKB 4</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 8  <b>Delta Science Dictionary, Grades 5-8</b> Copymaster 8</p>

Grade 5 Standard	Page References for Delta Science Content Readers
<b>Writing Standards</b>	
<i>Text Types and Purposes</i>	
<b>W.5.1</b> Write opinion pieces on topics or texts, supporting a point of view with reasons and information.	<i>See below.</i>  <i>Also see</i> <b>Delta Science Dictionary, Grades 3-5</b> Copymasters 4, 6
<b>W.5.1.a</b> Introduce a topic or text clearly, state an opinion, and create an organizational structure in which ideas are logically grouped to support the writer’s purpose.	<b>Air and Water</b> SKB 3 <b>Changes in Ecosystems</b> SE inside back cover; TG 8 <b>Earth, Moon, and Sun System</b> SKB 3 <b>Ecosystems</b> SE inside back cover; TG 8 (opportunity) <b>Electricity and Magnetism</b> SKB 3 <b>Our Solar System and Beyond</b> SKB 3 <b>Plant Needs</b> SKB 3 <b>Soils</b> SE inside back cover; TG 8
<b>W.5.1.b</b> Provide logically ordered reasons that are supported by facts and details.	<b>Air and Water</b> SKB 3 <b>Changes in Ecosystems</b> SE inside back cover; TG 8 <b>Earth, Moon, and Sun System</b> SKB 3 <b>Ecosystems</b> SE inside back cover; TG 8 (opportunity) <b>Electricity and Magnetism</b> SKB 3 <b>Our Solar System and Beyond</b> SKB 3 <b>Plant Needs</b> SKB 3 <b>Soils</b> SE inside back cover; TG 8
<b>W.5.1.c</b> Link opinion and reasons using words, phrases, and clauses (e.g., consequently, specifically).	The following provide opportunities to link opinion and reasons using words, phrases, and clauses: <b>Air and Water</b> SKB 3 <b>Changes in Ecosystems</b> SE inside back cover; TG 8 <b>Earth, Moon, and Sun System</b> SKB 3 <b>Electricity and Magnetism</b> SKB 3 <b>Plant Needs</b> SKB 3
<b>W.5.1.d</b> Provide a concluding statement or section related to the opinion presented.	<b>Changes in Ecosystems</b> SE inside back cover; TG 8 <b>Ecosystems</b> SKB 3 <b>Electricity and Magnetism</b> SKB 3 <b>Soils</b> SE inside back cover; TG 8

Grade 5 Standard	Page References for Delta Science Content Readers
<p><b>W.5.2</b> Write informative/explanatory texts to examine a topic and convey ideas and information clearly.</p>	<p><i>See below.</i></p> <p><i>Also see</i></p> <p><b>Delta Science Dictionary, Grades 3-5</b> Copymasters 1, 3, 5, 7, 9  <b>Delta Science Dictionary, Grades 5-8</b> Copymasters 1, 2, 3, 4, 5, 6, 7, 8, 9, 10</p>
<p><b>W.5.2.a</b> Introduce a topic clearly, provide a general observation and focus, and group related information logically; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.</p>	<p><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3  <b>Cells and Classification</b> SKB 1, 3  <b>Changes in Ecosystems</b> SKB 3  <b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8  <b>Ecosystems</b> SKB 3  <b>Forces and Motion</b> SKB 3  <b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3  <b>Heredity</b> SE inside back cover; TG 8  <b>Human Body Systems</b> SKB 3  <b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3  <b>Our Solar System and Beyond</b> SE inside back cover; TG 8  <b>Plant Life Cycles</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Soils</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8  <b>Weathering and Erosion</b> SKB 3  <b>Work and Machines</b> SE inside back cover; TG 8</p>
<p><b>W.5.2.b</b> Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic.</p>	<p><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3  <b>Cells and Classification</b> SKB 1, 3  <b>Changes in Ecosystems</b> SKB 3  <b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8  <b>Ecosystems</b> SKB 3  <b>Forces and Motion</b> SKB 3  <b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3  <b>Heredity</b> SE inside back cover; TG 8  <b>Human Body Systems</b> SKB 3  <b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3  <b>Our Solar System and Beyond</b> SE inside back cover; TG 8  <b>Plant Life Cycles</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Soils</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8  <b>Weathering and Erosion</b> SKB 3  <b>Work and Machines</b> SE inside back cover; TG 8</p>

Grade 5 Standard	Page References for Delta Science Content Readers
<p><b>W.5.2.c</b> Link ideas within and across categories of information using words, phrases, and clauses (e.g., in contrast, especially).</p>	<p>The following provide opportunities to link ideas within and across categories of information using words, phrases, and clauses:</p> <ul style="list-style-type: none"> <li><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3</li> <li><b>Cells and Classification</b> SKB 1, 3</li> <li><b>Changes in Ecosystems</b> SKB 3</li> <li><b>Changes in Matter</b> SKB 3</li> <li><b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8</li> <li><b>Ecosystems</b> SKB 3</li> <li><b>Forces and Motion</b> SKB 3</li> <li><b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3</li> <li><b>Heredity</b> SE inside back cover; TG 8; SKB 3</li> <li><b>Human Body Systems</b> SKB 3</li> <li><b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3</li> <li><b>Our Solar System and Beyond</b> SE inside back cover; TG 8</li> <li><b>Plant Life Cycles</b> SKB 3</li> <li><b>Properties of Matter</b> SKB 3</li> <li><b>Soils</b> SKB 3</li> <li><b>Sound Energy</b> SKB 3</li> <li><b>Weather and Climate</b> SE inside back cover; TG 8</li> <li><b>Weathering and Erosion</b> SKB 3</li> <li><b>Work and Machines</b> SE inside back cover; TG 8</li> </ul>
<p><b>W.5.2.d</b> Use precise language and domain-specific vocabulary to inform about or explain the topic.</p>	<p>The following provide opportunities to use precise language and domain-specific vocabulary to inform about or explain the topic:</p> <ul style="list-style-type: none"> <li><b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8; SKB 3</li> <li><b>Cells and Classification</b> SKB 1, 3</li> <li><b>Changes in Ecosystems</b> SKB 3</li> <li><b>Earth, Moon, and Sun System</b> SE inside back cover; TG 8</li> <li><b>Ecosystems</b> SKB 3</li> <li><b>Forces and Motion</b> SKB 3</li> <li><b>Heat and Light Energy</b> SE inside back cover; TG 8; SKB 3</li> <li><b>Heredity</b> SE inside back cover; TG 8</li> <li><b>Human Body Systems</b> SKB 3</li> <li><b>Minerals, Rocks, and Fossils</b> SE inside back cover; TG 8; SKB 3</li> <li><b>Our Solar System and Beyond</b> SE inside back cover; TG 8</li> <li><b>Plant Life Cycles</b> SKB 3</li> <li><b>Properties of Matter</b> SKB 3</li> <li><b>Soils</b> SKB 3</li> <li><b>Sound Energy</b> SKB 3</li> <li><b>Weather and Climate</b> SE inside back cover; TG 8; SKB 3</li> <li><b>Weathering and Erosion</b> SKB 3</li> <li><b>Work and Machines</b> SE inside back cover; TG 8</li> </ul>



<b>Grade 5 Standard</b>	<b>Page References for Delta Science Content Readers</b>
<p><b>W.5.2.e</b> Provide a concluding statement or section related to the information or explanation presented.</p>	<p><b>Changes in Ecosystems</b> SKB 3 (opportunity)  <b>Ecosystems</b> SKB 3  <b>Human Body Systems</b> SKB 3  <b>Properties of Matter</b> SKB 3  <b>Sound Energy</b> SKB 3  <b>Weather and Climate</b> SE inside back cover; TG 8  <b>Weathering and Erosion</b> SKB 3</p>
<p><b><i>Production and Distribution of Writing</i></b></p>	
<p><b>W.5.4</b> Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1–3 above.)</p>	<p><b>All DSCR titles</b> SE inside back cover; TG 8; SKB 3</p>
<p><b>W.5.5</b> With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach. (Editing for conventions should demonstrate command of Language standards 1–3 up to and including grade 5.)</p>	<p><b>All DSCR titles</b> SE inside back cover; TG 8; SKB 3</p>
<p><b>W.5.6</b> With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single setting.</p>	<p><b>Changes in Ecosystems</b> SE 19 (Apply Science Concepts)  <b>Earth, Moon, and Sun System</b> SE 23 (Apply Science Concepts)  <b>Inside Earth</b> SE 15 (Apply Science Concepts)  <b>Minerals, Rocks, and Fossils</b> SE 17 (Apply Science Concepts), inside back cover (Try It)  <b>Plant Needs</b> SE inside back cover (Write)  <b>Properties of Matter</b> SE inside back cover (Write)  <b>Weather and Climate</b> SE 19 (Apply Science Concepts), inside back cover (Write)  <b>Weathering and Erosion</b> SE 5, 19 (Apply Science Concepts)</p>
<p><b><i>Research to Build and Present Knowledge</i></b></p>	
<p><b>W.5.7</b> Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.</p>	<p><b>Air and Water</b> SE 7; TG 3  <b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8  <b>Changes in Ecosystems</b> SE 19  <b>Earth, Moon, Sun System</b> SE 23; TG 5  <b>Inside Earth</b> SE 15; TG 4; SKB 3  <b>Minerals, Rocks, and Fossils</b> SE 17, inside back cover  <b>Plant Needs</b> SE inside back cover; TG 8  <b>Properties of Matter</b> SE inside back cover; TG 8  <b>Weather and Climate</b> SE 19, inside back cover  <b>Weathering and Erosion</b> SE 5, 19</p>

<b>Grade 5 Standard</b>	<b>Page References for Delta Science Content Readers</b>
<p><b>W.5.8</b> Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.</p>	<p><b>Air and Water</b> SE 7; TG 3  <b>Animal Needs and Life Cycles</b> SE inside back cover; TG 8  <b>Changes in Ecosystems</b> SE 19; TG 5  <b>Earth, Moon, Sun System</b> SE 23; TG 5  <b>Inside Earth</b> SE 15; TG 4; SKB 3  <b>Minerals, Rocks, and Fossils</b> SE 13, 17; TG 4  <b>Plant Life Cycles</b> SE 15; TG 4  <b>Plant Needs</b> SE inside back cover; TG 8  <b>Properties of Matter</b> SE inside back cover; TG 8  <b>Weather and Climate</b> SE 19; TG 5  <b>Weathering and Erosion</b> SE 5, 19; TG 2, 5</p>
<p><b>W.5.9</b> Draw evidence from literary or informational texts to support analysis, reflection, and research.</p>	<p><i>See below.</i></p>
<p><b>W.5.9.b</b> Apply grade 5 Reading standards to informational texts (e.g., “Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which point[s].”).</p>	<p><i>See RI.5.1–RI.5.10.</i></p>
<p><b>Range of Writing</b></p>	
<p><b>W.5.10</b> Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.</p>	<p><b>All DSCR titles</b>  <b>SE and TG:</b> In addition to the Writing standards met above, which comprise shorter time frames, students write routinely over extended time frames in their science notebooks, recording observations and ideas, conducting research, organizing information, and answering questions.                      Also see:  <b>Weather and Climate</b> SE 13; TG 4</p>

**Language Standards**

**Conventions of Standard English**

<p><b>L.5.1</b> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.</p>	<p><b>All DSCR titles</b> SKB 2, 3   <i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 6  <b>Delta Science Dictionary, Grades 5-8</b> Copymaster 6</p>
<p><b>L.5.1.a</b> Explain the functions of conjunctions, prepositions, and interjections in general and their function in particular sentences.</p>	<p><b>Heredity</b> SKB 2  <b>Sound Energy</b> SKB 2  <b>Work and Machines</b> SKB 2</p>

<b>Grade 5 Standard</b>	<b>Page References for Delta Science Content Readers</b>
<p><b>L.5.2</b> Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.</p>	<p>The following provide opportunities to demonstrate command of the conventions of standard English capitalization, punctuation, and spelling:</p> <p><b>Air and Water</b> SKB 2  <b>Cells and Classification</b> SKB 2  <b>Earth, Moon, and Sun System</b> SKB 2  <b>Electricity and Magnetism</b> SKB 2  <b>Heredity</b> SKB 2  <b>Human Body Systems</b> SKB 2  <b>Our Solar System and Beyond</b> SKB 2  <b>Soils</b> SKB 2  <b>Work and Machines</b> SKB 2</p> <p><b>Also see these writing opportunities for all DSCR titles:</b>                      SE inside back cover; SKB 3</p>
<p><b>L.5.2.a</b> Use punctuation to separate items in a series.</p>	<p><b>Earth, Moon, and Sun System</b> SKB 2</p>
<p><b>L.5.2.b</b> Use a comma to separate an introductory element from the rest of the sentence.</p>	<p><b>Earth, Moon, and Sun System</b> SKB 2</p>
<p><b>L.5.2.e</b> Spell grade-appropriate words correctly, consulting references as needed.</p>	<p>Each SE has a glossary that can be used by students as a reference for spelling.</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Dictionary (all pages); Copymasters 1, 2, 3  <b>Delta Science Dictionary, Grades 5-8</b> Dictionary (all pages); Copymasters 1, 2, 3</p>
<p><b>Knowledge of Language</b></p>	
<p><b>L.5.3</b> Use knowledge of language and its conventions when writing, speaking, reading, or listening.</p>	<p><i>See below.</i></p>
<p><b>L.5.3.a</b> Expand, combine, and reduce sentences for meaning, reader/listener interest, and style.</p>	<p><b>Heredity</b> SKB 2  <b>Work and Machines</b> SKB 2</p>

Grade 5 Standard	Page References for Delta Science Content Readers
<b>Vocabulary for Acquisition and Use</b>	
<p><b>L.5.4</b> Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 5 reading and content, choosing flexibly from a range of strategies.</p>	<p><b>Air and Water</b> TG 1 Develop Vocabulary (Supporting English Learners); SKB 4  <b>Cells and Classification</b> TG 1 Develop Vocabulary (Supporting English Learners)  <b>Ecosystems</b> SKB 4  <b>Energy</b> SKB 4  <b>Heat and Light Energy</b> TG 1 Develop Vocabulary (Supporting English Learners)  <b>Heredity</b> TG 1 Develop Vocabulary (Supporting English Learners)  <b>Inside Earth</b> SKB 4  <b>Plant Life Cycles</b> SKB 4  <b>Properties of Matter</b> TG 1 Develop Vocabulary (Supporting English Learners)  <b>Sound Energy</b> SKB 4  <b>Weathering and Erosion</b> SKB 4  <b>Work and Machines</b> SKB 4</p>
<p><b>L.5.4.a</b> Use context (e.g., cause/effect relationships and comparisons in text) as a clue to the meaning of a word or phrase.</p>	<p><b>Energy</b> SKB 4  <b>Inside Earth</b> SKB 4  <b>Our Solar System and Beyond</b> SKB 4  <b>Plant Life Cycles</b> SKB 4  <b>Properties of Matter</b> SKB 4  <b>Work and Machines</b> SKB 4</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 8  <b>Delta Science Dictionary, Grades 5-8</b> Copymaster 8</p>
<p><b>L.5.4.b</b> Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., photograph, photosynthesis).</p>	<p><b>Air and Water</b> TG 1 (Supporting English Learners)  <b>Animal Needs and Life Cycles</b> SKB 4  <b>Cells and Classification</b> TG 1 (Supporting English Learners)  <b>Changes in Ecosystems</b> SKB 4  <b>Changes in Matter</b> SKB 4  <b>Earth, Moon, and Sun System</b> SKB 4  <b>Heat and Light Energy</b> TG 1 (Supporting English Learners); SKB 4  <b>Human Body Systems</b> SKB 4  <b>Minerals, Rocks, and Fossils</b> SKB 4  <b>Plant Needs</b> SKB 4  <b>Properties of Matter</b> TG 1 (Supporting English Learners)</p>
<p><b>L.5.4.c</b> Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.</p>	<p><b>All DSCR titles</b> TG 2</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Dictionary (all pages); Copymasters 5, 7, 8, 9, 10  <b>Delta Science Dictionary, Grades 5-8</b> Dictionary (all pages); Copymasters 5, 7, 8, 9, 10</p>

Grade 5 Standard	Page References for Delta Science Content Readers
<p><b>L.5.5</b> Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.</p>	<p><i>See below.</i></p>
<p><b>L.5.5.a</b> Interpret figurative language, including similes and metaphors, in context.</p>	<p><b>Minerals, Rocks, and Fossils</b> SKB 3 (opportunity)  <b>Weather and Climate</b> SKB 3</p>
<p><b>L.5.5.c</b> Use the relationship between particular words (e.g., synonyms, antonyms, homographs) to better understand each of the words.</p>	<p><b>Cells and Classification</b> SKB 4  <b>Electricity and Magnetism</b> SKB 4  <b>Forces and Motion</b> SKB 4  <b>Heredity</b> SKB 4  <b>Soils</b> SKB 4  <b>Weather and Climate</b> SKB 4</p> <p><i>Also see</i>  <b>Delta Science Dictionary, Grades 3-5</b> Copymaster 9  <b>Delta Science Dictionary, Grades 5-8</b> Copymaster 9</p>

Grade 5 Standard	Page References for Delta Science Content Readers
<p><b>L.5.6</b> Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal contrast, addition, and other logical relationships (e.g., however, although, nevertheless, similarly, moreover, in addition).</p>	<p><b>All DSCR titles</b>  <b>SE:</b> Vocabulary development is supported in all DSCR SEs through the vocabulary preview, vocabulary lists on each chapter opener, boldface words defined in context, and glossary. <b>Checkpoint</b> questions are provided during reading so teachers can reinforce and extend understanding of the relationships between concepts and domain-specific vocabulary.</p> <p><b>TG: Preview the Book (Build Reading Skills) (TG 2)</b> Teachers and students preview science vocabulary before reading. Teachers are prompted to display vocabulary words in a graphic organizer during reading (TG 2). The graphic organizer supports class discussions of the relationship between vocabulary and the concept each word represents. In addition, all TGs include vocabulary support for each <b>Make a Connection</b> feature (two to four per book). <b>After Reading</b> activities deepen and extend understanding of vocabulary.</p> <p><b>SKB:</b> All DSCR SKBs have one vocabulary page (SKB 4) dedicated to general academic and domain-specific vocabulary building.</p> <p>In addition, see TG 1 <b>Teach Academic English (Supporting English Learners)</b> for the following titles:  <b>Changes in Matter</b>  <b>Earth, Moon and Sun System</b>  <b>Forces and Motion</b>  <b>Human Body Systems</b>  <b>Inside Earth</b></p> <p>The following provide opportunities to acquire and use words and phrases that signal contrast and other logical relationships (cause and effect, sequence):  <b>Properties of Matter</b>                      SE 14, 23, inside back cover; TG 4, 5, 8; SKB 1  <b>Changes in Matter</b>                      SE 7; TG 3; SKB 3  <b>Energy</b>                      SE 20, 23, inside back cover; TG 5, 8  <b>Heat and Light Energy</b>                      SE 10, 15, 16, 19, inside back cover; TG 3, 4, 5, 8; SKB 1, 3  <b>Sound Energy</b>                      SE 16, 23, inside back cover; TG 4, 5, 8  <b>Electricity and Magnetism</b>                      SE 10, 13, inside back cover; TG 3, 4, 8; SKB 1  <b>Forces and Motion</b>                      SE 18, 23; TG 4, 5; SKB 1  <b>Work and Machines</b>                      SE 6, 9; TG 3</p> <p><i>(continued next page)</i></p>

Grade 5 Standard	Page References for Delta Science Content Readers
	<p><b>Cells and Classification</b> SE 6, 11; TG 5; SKB 3</p> <p><b>Plant Needs</b> SE 20, 23; TG 5</p> <p><b>Ecosystems</b> SE inside back cover; TG 8; SKB 3</p> <p><b>Heredity</b> SE 6, 13; TG 3; SKB 1, 3</p> <p><b>Plant Life Cycles</b> SE 16, 19; TG 4, 5; SKB 1</p> <p><b>Changes in Ecosystems</b> SE 8, 15, 20, 23; TG 3, 5; SKB 1, 3</p> <p><b>Earth, Moon, and Sun System</b> SE 12, 23, inside back cover; TG 4, 5, 8; SKB 1</p> <p><b>Weathering and Erosion</b> SE 6, 11, 12, 19, inside back cover; TG 4, 5, 8; SKB 1</p> <p><b>Minerals, Rocks, and Fossils</b> SE 18, 23, inside back cover; TG 5, 8; SKB 1</p> <p><b>Soils</b> SE 10, 17; TG 3, 4; SKB 3</p> <p><b>Inside Earth</b> SE 16, 23; TG 4, 5; SKB 1</p> <p><b>Weather and Climate</b> SKB 3</p>