

Revised 2009-2010

Grade 4
Science

**SCOPE
&
SEQUENCE**



Redlands Unified School District



REDLANDS UNIFIED SCHOOL DISTRICT

Science

Scope & Sequence

INTRODUCTION:

The Science *Scope & Sequence* Committees have worked to develop pacing guides for grades Kindergarten through fifth that ensure RUSD curriculum addresses the Content Standards for California Public Schools. MacMillian/McGraw-Hill's *California Science*, are the adopted materials. With this in mind, teachers are to use this *Scope & Sequence* as the core of their Science instruction. Lessons listed in **bold** under "Instructional Support" are "core" lessons and have been selected to ensure that all students have access to the Content Standards for California Public Schools. Lessons listed in *italics* are suggested lessons. Due to the nature of the grade level, the Kindergarten curriculum does not indicate specific lessons for Extra Support or Challenge. Lessons to address the specific needs of English Learners are contained within a double box.

A WORD ABOUT THE DEVELOPMENT OF THE *SCOPE & SEQUENCE*:

The *Scope & Sequence* was developed by grade level groups of teachers from traditional and year-round schools. It is divided into trimesters. The Science committees used the 2004 Edition of the Science Framework for California Public Schools as a guide.

PACING:

Pacing for lessons is not specifically defined and should be planned trimester to trimester. Science lessons listed in the *Scope and Sequence* are considered the minimum of what should be covered in each grade level. Not all lessons in the Macmillian/McGraw-Hill textbook are listed in the *Scope and Sequence*. Only those lessons that adequately address the grade level standards are designated as "core" in this *Scope and Sequence*. Therefore, each trimester may be planned utilizing the following table that lists the number of lessons per trimester:

Lessons by Trimester

	Trimester 1	Trimester 2	Trimester 3
Grade 4			
Unit	Earth Science	Physical Science	Life Science
Chapters	3, 4, 5	6, 7	1, 2
Lessons	10	6	8



ACKNOWLEDGEMENTS

The Redlands Unified School District would like to acknowledge and thank the following people for their contribution in the areas of:

The Science Materials Adoption Fieldtest:

Leslie Canales	Marla Carr	Maria Clark
Barbara DeNicolai	Carol Dyer	Judy Elder
Michael Gorczyca	Cindy Hassett	Jeanie Hazlett
Angel Jones	Ann Keegan	Dava Kelly
Meghann Nafzgar	Kelly Napoletano	Kristen Nelson
Andrew Neuenschwander	Gary Peplow	Viola Perez
Laurie Sauvage	Melodee Seccombe	Lindsey Sexton
Brent Sharum	Suzanne Siegelman	Teresa Steinbroner
Stephanie Stover	Heather Turner	Brandon Williamson

The Science Scope and Sequence Development Committee Grade 4:

Jeanie Hazlett	Brent Sharum
----------------	--------------

**RUSD Science
Scope and Sequence Distribution by Standard
Grade 4**

	First Trimester	Second Trimester	Third Trimester
Earth Science			
4a	III		
4b	I		
Earth Science			
5a	III		
5b	I		
5c	III		
Physical Science			
1a		I	
1b		I	
1c		I	
1d		II	
1e		I	
1f		I	
1g		I	
Life Science			
2a			II
2b			II
2c			I
Life Science			
3a			I
3b			II
3c			I
3d			I
Investigation and Experimentation			
6a	III	II	II
6b	I		I
6c	II	II	IIII
6d	II	III	I
6e		II	
6f	IIII	II	II

STANDARD	OBJECTIVE	TEXT SUPPORT
<p>Earth Science</p>	<p>ES 4.b Students know how to identify common rock-forming minerals (including quartz, calcite, feldspar, mica, and hornblende) and ore minerals by using a table of diagnostic properties.</p> <p>IE 6.a Differentiate observation from inference (interpretation) and know scientist' explanations come partly from what they observe and partly from how they interpret their observations.</p> <p>IE 6.b Measure and estimate the weight, length, or volumn of objects.</p>	<p>Earth Science Unit</p> <p>Chapter 3 - Rocks and Minerals TE pp. 134-183</p> <p>Lesson 1- Minerals: The Building Blocks of Rocks TE pp. 138-147</p> <p>Explore - What makes rocks different from each other? TE p. 139</p> <p>Interactive Text p. 54-59 <i>Reading and Writing in Science</i> pp. 47-54 <i>Quick Lab - Identify Minerals</i> p. 145 <i>Activity Lab Book</i> pp. 49-56 <i>Visual Literacy</i> pp. 17-18 <i>Science Activity DVD</i> 3.1</p> <hr/> <p><i>English Learners</i> TE p. 142</p> <hr/> <p><i>Extra Support</i> TE p. 143</p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge</i> TE p. 147</p>
<p>Earth Science</p>	<p>ES 4.a Students know how to differentiate among igneous, sedimentary, and metamorphic rocks by referring to their properties and methods of formation (the rock cycle)</p> <p>IE 6.c Formúlate and justify predictions base don cause and effect relationships.</p>	<p>Lesson 2 - Igneous Rocks TE pp. 150-157</p> <p>Explore - How does growth rate affect the size of crystals? TE p. 151</p> <p>Interactive Text p. 60-63 <i>Reading and Writing in Science</i> pp. 55-58 <i>Quick Lab - Observing Igneous Rocks</i> TE p. 155 <i>Activity Lab Book</i> p. 57-60 <i>Visual Literacy</i> pp. 19-20 <i>Science Activity DVD</i> 3.2 <i>Reading in Science - Meet Siser Mondal</i> TE pp. 158-159</p> <hr/> <p><i>English Learners</i> TE p. 154</p> <hr/> <p><i>Extra Support</i> TE p. 155</p> <hr/> <p><i>Challenge</i> TE p. 157</p>

STANDARD	OBJECTIVE	TEXT SUPPORT
<p>Earth Science</p>	<p>ES 4.a Students know how to differentiate among igneous, sedimentary, and metamorphic rocks by referring to their properties and methods of formation (the rock cycle)</p> <p>IE 6.a Differentiate observation from inference (interpretation) and know scientist' explanations come partly from what they observe and partly from how they interpret their observations</p> <p>IE 6.f Follow a set of written instructions for a scientific investigation.</p>	<p>Lesson 3 - Sedimentary Rocks TE pp. 160-167</p> <p>Explore - What properties can help you infer how some rocks formed? TE p. 161</p> <p>Interactive Text p. 64-67 <i>Reading and Writing in Science pp. 61-64</i></p> <p><i>Quick Lab - A Model Sandstone Rock TE p. 165</i></p> <p><i>Activity Lab Book pp. 61-67</i></p> <p><i>Visual Literacy pp. 21-22</i></p> <p><i>Science Activity DVD 3.3</i></p> <p><i>Be a Scientist - What are the features of sedimentary rocks? TE pp. 168-169</i></p> <hr/> <p><i>English Learners TE p. 164</i></p> <hr/> <p><i>Extra Support TE p. 163</i></p> <hr/> <p><i>Challenge TE p. 167</i></p>
<p>Earth Science</p>	<p>ES 4.a Students know how to differentiate among igneous, sedimentary, and metamorphic rocks by referring to their properties and methods of formation (the rock cycle)</p> <p>IE 6.a Differentiate observation from inference (interpretation) and know scientist' explanations come partly from what they observe and partly from how they interpret their observations.</p>	<p>Lesson 4 - Metamorphic Rocks TE pp. 170-181</p> <p>Explore - How can you interpret clues in rocks? TE p. 171</p> <p>Interactive Text p. 68-75 <i>Reading and Writing in Science pp. 65-68</i></p> <p><i>Activity Lab Book pp. 69-72</i></p> <p><i>Quick Lab - A Model Metamorphic Rock TE p. 175</i></p> <p><i>Visual Literacy pp. 23-24</i></p> <p><i>Science Activity DVD 3.4</i></p> <p><i>Math in Science - It Is Hard to Be a Rock TE p. 183</i></p> <hr/> <p><i>English Learners TE p. 174</i></p> <hr/> <p><i>Extra Support TE p. 175</i></p> <hr/> <p><i>Challenge TE p. 181</i></p> <p>Chapter Review TE pp. 184-185</p> <p>Assessment pp. 13-16</p>

STANDARD	OBJECTIVE	TEXT SUPPORT
<p>Earth Science</p>	<p>ES 5.b Students know the natural processes, including freezing and thawing and the growth of roots, cause rocks to break down into smaller pieces.</p> <p>IE 6.c Formulate and justify predictions based on cause and effect relationships.</p> <p>IE 6.f Follow a set of written instructions for a scientific investigation.</p>	<p>Chapter 4 - Slow Changes on Earth TE pp. 188-227</p> <p>Lesson 1 – Weathering TE pp. 192-199</p> <p>Explore - How can freezing water change rock? TE p. 193 Interactive Text p. 80-85 <i>Reading and Writing in Science pp. 75-78</i> <i>Activity Lab Book pp. 73-79</i> <i>Quick Lab - Chemical Weathering TE p. 197</i> <i>Visual Literacy pp. 25-26</i> <i>Science Activity DVD 4.1</i></p> <hr/> <p><i>English Learners TE p. 196</i></p> <hr/> <p><i>Extra Support TE p. 197</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 199</i></p>
<p>Earth Science</p>	<p>ES 5.a Students know some changes in the earth are due to slow processes, such as erosion, and some changes are due to rapid processes, such as landslides, volcanic eruptions, and earthquakes</p> <p>ES 5.c Students know moving water erodes landforms, reshaping the land by taking it away from some places and depositing it as pebbles, sand, silt, and mud in other places (weathering, transport, and deposition).</p> <p>IE 6.f Follow a set of written instructions for a scientific investigation.</p>	<p>Lesson 2 - Erosion and Deposition TE pp. 202-209</p> <p>Explore - How can sediments enter rivers? TE p. 203 Interactive Text p. 86-89 <i>Reading and Writing in Science TE pp. 79-82</i> <i>Activity Lab Book pp. 81-88</i> <i>Quick Lab - Erosion Rate TE p. 207</i> <i>Visual Literacy pp. 27-28</i> <i>Science Activity DVD 4.2</i> <i>Be a Scientist - What is erosion and deposition? TE pp. 210-211</i></p> <hr/> <p><i>English Learners TE p. 206</i></p> <hr/> <p><i>Extra Support TE p. 207</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 209</i></p>

STANDARD	OBJECTIVE	TEXT SUPPORT
<p>Earth Science</p>	<p>ES 5.a Students know some changes in the earth are due to slow processes, such as erosion, and some changes are due to rapid processes, such as landslides, volcanic eruptions, and earthquakes</p> <p>ES 5.c Students know moving water erodes landforms, reshaping the land by taking it away from some places and depositing it as pebbles, sand, silt, and mud in other places (weathering, transport, and deposition).</p> <p>IE 6.a Differentiate observation from inference (interpretation) and know scientist' explanations come partly from what they observe and partly from how they interpret their observations.</p>	<p>Lesson 3 - Landforms: Changing Over Time TE pp. 212-223</p> <p>Explore - How does running water change the land? TE p. 213 Interactive Text p. 90-97 <i>Reading and Writing in Science pp. 83-86</i> <i>Activity Lab Book pp. 89-92</i> <i>Quick Lab - How Sand Dunes Form TE p. 221</i> <i>Visual Literacy pp. 29-30</i> <i>Science Activity DVD 4.3</i> <i>Reading in Science - Looking Back at YOSEMITE National Park TE pp. 226-227</i></p> <hr/> <p><i>English Learners TE p. 216</i></p> <hr/> <p><i>Extra Support TE p.217</i></p> <hr/> <p><i>Challenge TEp.223</i></p> <p>Chapter Review TE pp. 224-225 Assessment pp. 19-22</p>
<p>Earth Science</p>	<p>ES 5.a Students know some changes in the earth are due to slow processes, such as erosion, and some changes are due to rapid processes, such as landslides, volcanic eruptions, and earthquakes</p> <p>ES 6.d Conduct multiple trials to test a prediction and draw conclusions about the relationships between predictions and results.</p>	<p>Chapter 5 - Fast Changes on Earth TE pp. 232-271 Lesson 1 – Landslides TE pp. 236-269</p> <p>Explore - How does gravity affect materials on Earth? TE p. 237 Interactive Text p. 102-105 <i>Reading and Writing in Science pp. 95-98</i> <i>Activity Lab Book pp. 93-99</i> <i>Quick Lab - Flooding the Land p. 241</i> <i>Visual Literacy pp. 31-32</i> <i>Science Activity DVD 5.1</i> <i>Focus on Inquiry Skills – Experiment TE pp. 244-245</i></p> <hr/> <p><i>English Learners TE p. 240</i></p> <hr/> <p><i>Extra Support TE p. 241</i></p> <hr/> <p><i>Challenge TE p. 243</i></p>

STANDARD	OBJECTIVE	TEXT SUPPORT
<p>Earth Science</p>	<p>ES 5.a Students know some changes in the earth are due to slow processes, such as erosion, and some changes are due to rapid processes, such as landslides, volcanic eruptions, and earthquakes</p> <p>IE 6.a Differentiate observation from inference (interpretation) and know scientist' explanations come partly from what they observe and partly from how they interpret their observations.</p> <p>IE 6.d Conduct multiple trials to test a prediction and draw conclusions about the relationships between predictions and results.</p>	<p>Lesson 2 – Earthquakes TE pp. 246-255</p> <p>Explore - What happens when the ground moves? TE p. 247 Interactive Text p. 106-111 <i>Reading and Writing in Science pp. 99-102</i> <i>Activity Lab Book pp. 101-108</i> <i>Quick Lab - Types of Faults TE p. 251</i> <i>Visual Literacy pp. 33-34</i> <i>Science Activity DVD 5.2</i> <i>Math in Science - Shake, Rattle, and Roll TE p. 259</i> <i>Writing in Science - Remembering an Earthquake TE p. 258</i></p> <hr/> <p><i>English Learners TE p. 250</i></p> <hr/> <p><i>Extra Support TE p. 253</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 255</i></p>
<p>Earth Science</p>	<p>ES 5.a Students know some changes in the earth are due to slow processes, such as erosion, and some changes are due to rapid processes, such as landslides, volcanic eruptions, and earthquakes</p> <p>IE 6.f Follow a set of written instructions for a scientific investigation.</p>	<p>Lesson 3 – Volcanoes TE pp. 260-269</p> <p>Explore - Where are Earth's volcanoes? TE p. 261 Interactive Text p. 112-117 <i>Reading and Writing in Science pp. 105-108</i> <i>Activity Lab Book pp. 109-112</i> <i>Quick Lab - Model Hawaiian Islands Formation TE p. 265</i> <i>Visual Literacy pp. 35-36</i> <i>Science Activity DVD 5.3</i></p> <hr/> <p><i>English Learners TE p. 264</i></p> <hr/> <p><i>Extra Support TE p. 267</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 269</i></p> <p>Chapter Review TE pp. 272-273 Assessment pp. 25-28</p>



REDLANDS UNIFIED SCHOOL DISTRICT

SCOPE & SEQUENCE: Science

GRADE: 4

TRIMESTER 2

STANDARD	OBJECTIVE	TEXT SUPPORT
Physical Science	PS 1.e Students know electrically charged objects attract or repel each other.	Physical Science Unit Chapter 6 – Electricity TE pp. 280-319 Lesson 1 - Static Electricity TE pp. 284-293
Physical Science	IE 6.c Formulate and justify predictions based on cause and effect relationships.	Explore - How do rubbed balloons interact? TE p. 285 Interactive Text p. 122-129 <i>Reading and Writing in Science pp. 115-118</i> <i>Activity Lab Book pp. 113-120</i> <i>Quick Lab - Producing Static Electricity TE p. 289</i> <i>Visual Literacy pp. 37-38</i> <i>Science Activity DVD 6.1</i> <i>Focus on Inquiry Skills - Analyze Data TE pp. 294-295</i>
	IE 6.e Construct and interpret graphs from measurements.	<i>English Learners TE p. 288</i>
		<i>Extra Support TE pp. 289,291</i>
		<i>Challenge TE p. 293</i>
Physical Science	PS 1.a Students know how to design and build simple series and parallel circuits by using components such as wires, batteries, and bulbs.	Lesson 2 - Electric Circuits TE pp. 296-305 Explore - What makes a bulb light? TE p. 297 Interactive Text p. 130-135 <i>Reading and Writing in Science pp. 119-122</i> <i>Activity Lab Book pp. 121-128</i> <i>Quick Lab - Make a Series/Parallel Circuit TE p. 301-303</i> <i>Visual Literacy pp.39-40</i> <i>Science Activity DVD 6.2</i> <i>Be a Scientist - How do many loads affect electric current in a circuit? TE pp. 306-307</i>
	IE 6.c Formulate and justify predictions based on cause and effect relationships.	<i>English Learners TE p. 300</i>
	IE 6.d Conduct multiple trials to test a prediction and draw conclusions about the relationships between predictions and results.	<i>Extra Support TE p. 303</i>
		<i>Challenge TE p. 305</i>

STANDARD	OBJECTIVE	TEXT SUPPORT
Physical Science		<p><i>Reading and Writing in Science pp. 123-126</i> <i>Activity Lab Book pp. 129-132</i> <i>Quick Lab - How much electrical energy do you use? TE p. 313</i> <i>Visual Literacy pp.41-42</i> <i>Science Activity DVD 6.3</i> <i>Writing in Science - I'd Like to Make a Toast TE p. 316</i> <i>Reading in Science - Hybrid POWER TE pp. 318-319</i></p> <hr/> <p><i>English Learners TE p. 312</i></p> <hr/> <p><i>Extra Support TE p. 313</i></p> <hr/> <p><i>Challenge TE p. 315</i></p> <p>Chapter Review TE pp. 320-321 Assessment pp. 31-36</p>
Physical Science	<p>PS 1.b Students know how to build a simple compass and use it to detect magnetic effects, including Earth's magnetic field.</p> <p>PS 1.f Students know differences in chemical and physical properties of substances are used to separate mixtures and identify compounds.</p> <p>IE 6.a Differentiate observation from inference (interpretation) and know scientist' explanations come partly from what they observe and partly from how they interpret their observations.</p> <p>IE 6.d Conduct multiple trials to test a prediction and draw conclusions about the relationships between predictions and results.</p>	<p>Chapter 7 – Magnetism TE pp. 324-361</p> <p>Lesson 1 – Magnets TE pp. 328-337 Explore - How do magnets interact? TE p. 329 Interactive Text p. 144-149 <i>Reading and Writing in Science pp. 135-138</i> <i>Activity Lab Book pp. 133-139</i> <i>Quick Lab - What is a compass? TE p. 336</i> <i>Visual Literacy pp.43-44</i> <i>Science Activity DVD 7.1</i></p> <hr/> <p><i>English Learners TE p. 332</i></p> <hr/> <p><i>Extra Support TE p. 335</i></p> <hr/> <p><i>Challenge TE p. 337</i></p>

STANDARD	OBJECTIVE	TEXT SUPPORT
<p>Physical Science</p>	<p>PS 1.d Students know the role of electromagnets in the construction of electric motors, electric generators, and simple devices, such as doorbells and earphones.</p> <p>IE 6.f Follow a set of written instructions for a scientific investigation.</p>	<p>Lesson 3 - Motors and Generators TE pp. 350-357</p> <p>Explore - How can you use magnets to produce motion? TE p. 351 Interactive Text p. 154-159 <i>Reading and Writing in Science pp. 143-146</i> <i>Activity Lab Book pp. 149-152</i> <i>Quick Lab - Make a Generator TE p. 355</i> <i>Visual Literacy pp. 47-48</i> <i>Science Activity DVD 7.3</i> <i>Reading in Science - Motors at Work TE pp. 360-361</i></p>
<p>Physical Science</p>		<p><i>Math in Science - Using Graphs TE p. 359</i></p> <hr/> <p><i>English Learners TE p. 354</i></p> <hr/> <p><i>Extra Support TE p. 355</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 357</i></p> <p>Chapter Review TE pp. 362-363 Assessment pp. 37-40</p>



REDLANDS UNIFIED SCHOOL DISTRICT

SCOPE & SEQUENCE: Science

GRADE: 4

TRIMESTER 3

STANDARD	OBJECTIVE	TEXT SUPPORT
<p>Life Science</p>	<p>LS 2.a Students know plants are the primary source of matter and energy entering most food chains.</p> <p>IE 6.a Differentiate observation from inference (interpretation) and know scientist' explanations come partly from what they observe and partly from how they interpret their observations.</p> <p>IE 6.f Follow a set of written instructions for a scientific investigation.</p>	<p>Life Science Unit</p> <p>Chapter 1 - Living Things Need Energy TE pp. 20-73</p> <p>Lesson 1 - Plants and Sunlight TE pp. 24-33 Explore - How are leaves different from each other? TE p. 25 Interactive Text p. 2-7 <i>Reading and Writing in Science pp. 3-6</i> <i>Activity Lab Book pp. 1-7</i> <i>Quick Lab – Photosynthesis TE p. 29</i> <i>Visual Literacy pp. 1-2</i> <i>Science Activity DVD 1.1</i> <i>Focus on Inquiry Skills – Observe TE pp. 34-35</i></p> <hr/> <p><i>English Learners TE p. 28</i></p> <hr/> <p><i>Extra Support TE p. 31</i></p> <hr/> <p><i>Challenge TE p. 33</i></p>
<p>Life Science</p>	<p>LS 2.a Students know plants are the primary source of matter and energy entering most food chains.</p> <p>LS 2.b Students know the consumers and the producers (herbivores, carnivores, omnivores, and decomposers) are related in the food chains and food webs and may compete with each other for resources in an ecosystem.</p>	<p>Lesson 2 - Food Chains TE pp. 36-47</p> <p>Explore - How much energy do living things use? TE p. 37 Interactive Text p. 8-13</p> <p><i>Reading and Writing in Science pp. 7-10</i> <i>Activity Lab Book p. 9-16</i> <i>Quick Lab - Find a Food Chain p. 43</i> <i>Visual Literacy pp. 3-4</i> <i>Science Activity DVD 1.2</i></p>

STANDARD	OBJECTIVE	TEXT SUPPORT
<p>Life Science</p>		<p><i>Be a Scientist - Can an environment have more than one food chain? TE pp. 48-49</i></p> <hr/> <p><i>English Learners TE p. 40</i></p> <hr/> <p><i>Extra Support TE p. 39-45</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 47</i></p>
<p>Life Science</p>	<p>LS 2.b Students know the consumers and the producers (herbivores, carnivores, omnivores, and decomposers) are related in the food chains and food webs and may compete with each other for resources in an ecosystem.</p> <p>IE 6.c Formulate and justify predictions based on cause and effect relationships.</p>	<p>Lesson 3 - Food Webs TE pp. 50-59</p> <p>Explore - How can living things be part of more than one food chain? TE p. 51 Interactive Text p. 14-19 <i>Reading and Writing in Science pp. 11-14</i> <i>Activity Lab Book pp. 17-20</i> <i>Quick Lab - Changes in Food Webs TE p. 55</i> <i>Visual Literacy pp. 5-6</i> <i>Science Activity DVD 1.3</i> <i>Writing in Science - A Call for Help TE p. 60</i> <i>Math in Science - How Many Monarchs? TE p. 61</i></p> <hr/> <p><i>English Learners TE p. 54</i></p> <hr/> <p><i>Extra Support TE pp. 55-56</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 59</i></p>
<p>Life Science</p>	<p>LS 2.c Students know decomposers, including many fungi, insects, and microorganisms, recycle matter from dead plants and animals.</p> <p>LS 3.d Students know that most microorganisms do not cause disease and that many are beneficial.</p> <p>IE 6.d Conduct multiple trials to test a prediction and draw conclusions about the relationships between predictions and results.</p>	<p>Lesson 4 – Microorganisms TE pp. 62-71</p> <p>Explore - How can tiny living things change plant material? TE p. 63 Interactive Text p. 20-25 <i>Reading and Writing in Science pp. 17-20</i> <i>Activity Lab Book p. 21-24</i> <i>Quick Lab - Observing Decomposers TE p. 69</i> <i>Visual Literacy pp. 7-8</i></p>

STANDARD	OBJECTIVE	TEXT SUPPORT
<p>Life Science</p>		<p><i>Science Activity DVD 1.4</i></p> <p><i>English Learners TE p. 66</i></p> <p><i>Extra Support TE p. 69</i></p> <p><i>Challenge TE p. 71</i></p> <p>Chapter Review TE pp. 74-75</p> <p>Assessment pp. 1-4</p>
<p>Life Science</p>	<p>LS 3.a Students know ecosystems can be characterized by their living and nonliving components.</p> <p>IE 6.c Formulate and justify predictions based on cause and effect relationships.</p> <p>IE 6.f Follow a set of written instructions for a scientific investigation.</p>	<p>Chapter 2 - Living Things and Their Environment TE pp. 78-125</p> <p>Lesson 1 – Ecosystems TE pp. 82-91</p> <p>Explore - What are some living and nonliving things in your environment? TE p. 83</p> <p>Interactive Text p. 30-35</p> <p><i>Reading and Writing in Science pp. 27-30</i></p> <p><i>Activity Lab Book pp. 25-32</i></p> <p><i>Quick Lab - Soils of Different Ecosystems TE p. 89</i></p> <p><i>Visual Literacy pp. 9-10</i></p> <p><i>Science Activity DVD 2.1</i></p> <p><i>Focus on Inquiry Skills – Predict TE pp. 92-93</i></p> <p><i>English Learners TE p. 86</i></p> <p><i>Extra Support TE p. 89</i></p> <p><i>Challenge TE p. 91</i></p>
<p>Life Science</p>	<p>LS 3.c Students know many plants depend on animals for pollination and seed dispersal, and animals depend on plants for food and shelter.</p> <p>IE 6.b Measure and estimate the weight, length, or volume of objects.</p>	<p>Lesson 2 - Living Things Need Each Other TE pp. 94-101</p> <p>Explore - How do plants and animals depend on each other? TE p. 94</p> <p>Interactive Text p. 36-39</p> <p><i>Reading and Writing in Science pp.31-34</i></p> <p><i>Activity Lab Book pp. 33-36</i></p> <p><i>Quick Lab - Flower Parts TE p. 99</i></p> <p><i>Visual Literacy pp. 11-12</i></p> <p><i>Science Activity DVD 2.2</i></p>

STANDARD	OBJECTIVE	TEXT SUPPORT
Life Science		<p><i>Writing in Science - The Moth That Needed the Tree TE p. 102</i></p> <hr/> <p><i>English Learner TE p. 98</i></p> <hr/> <p><i>Extra Support TE p. 99</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 107</i></p>
Life Science	<p>LS 3.b Students know that in any particular environment, some kinds of plants and animals survive well, some survive less well, and some cannot survive at all.</p> <p>IE 6.c Formulate and justify predictions based on cause and effect relationships.</p>	<p>Lesson 3 - Changes in Ecosystems TE pp. 104-111</p> <p>Explore - How can change to ecosystems affect living things? TE p. 105</p> <p>Interactive Text p. 40-43 <i>Reading and Writing in Science pp. 37-40</i> <i>Activity Lab Book pp. 37-40</i> <i>Quick Lab - Crowded Ecosystems p. 109</i> <i>Visual Literacy pp. 13-14</i> <i>Science Activity DVD 2.3</i> <i>Reading in Science - Mail Call TE pp. 112-113</i></p> <hr/> <p><i>English Learner TE p. 108</i></p> <hr/> <p><i>Extra Support TE p. 109</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 111</i></p>
Life Science	<p>LS 3.b Students know that in any particular environment, some kinds of plants and animals survive well, some survive less well, and some cannot survive at all.</p> <p>IE 6.a Differentiate observation from inference (interpretation) and know scientist' explanations come partly from what they observe and partly from how they interpret their observations.</p> <p>IE 6.c Formulate and justify predictions based on cause and effect relationships.</p>	<p>Lesson 4 – Adaptations TE pp. 114-123</p> <p>Explore - How does the shape of a bird's beak affect what it eats? TE p. 115</p> <p>Interactive Text p. 44-49 <i>Reading and Writing in Science pp. 43-46</i> <i>Activity Lab Book pp. 41-48</i> <i>Quick Lab - Absorbing Heat TE p. 121</i> <i>Visual Literacy pp. 15-16</i> <i>Science Activity DVD 2.4</i> <i>Be a Scientist - How are some animals adapted to swimming? TE pp. 124-125</i></p> <hr/> <p><i>English Learner TE p. 118</i></p> <hr/> <p><i>Extra Support TE p. 119</i></p> <hr style="border-top: 1px dashed black;"/> <p><i>Challenge TE p. 123</i></p> <p>Chapter Review TE pp. 126-127 <i>Assessment pp. 7-10</i></p>