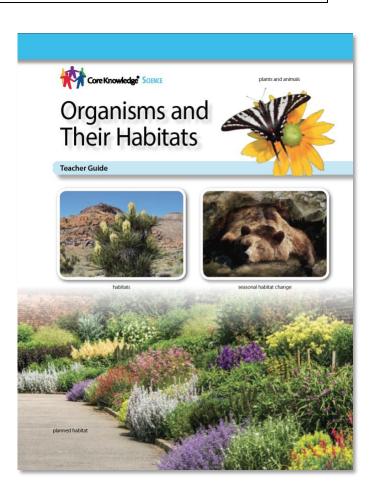
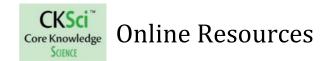
#### **Organisms and Their Habitats**

Click on each lesson to access its online resources. Page numbers refer to pages in the Teacher Guide. Some links provide access to files created by the Core Knowledge Foundation, including PDF documents that you can download and view with the appropriate software (such as Adobe Acrobat Reader DC).

	About this Unit
Unit Opener	Unit Opener
Unit Opener	
Lesson 1	Segment 1
	Segment 2
	Segment 3
	Segment 4
Lesson 2	Segment 1
	Segment 2
	Segment 3
	Segment 4
	Segment 5
Lesson 3	Segment 1
	Segment 2
	Segment 3
	Segment 4
Lesson 4	Segment 1
	Segment 2
	Segment 3
Unit	Unit Capstone
Capstone	
Unit	Unit Supplement
Supplement	
	Teacher Resources

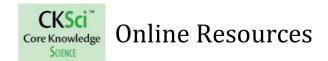




#### About this Unit

Page	Resource Links
2	<ul> <li>Note to Teachers and Curriculum Planners</li> <li>The learning progressions of Disciplinary Core Ideas LS2.A, LS4.D, and ETS1.B offer guidance regarding the scope and sequence of learning about the structure and function of living things as well as how living things process information in the elementary grades and beyond.</li> <li>Learn more about this core idea and its related content by reading the corresponding section of A Framework for K-12 Science Education.</li> <li>See also the Teachers Resources section of this guide.</li> <li>To see an overview of the entire Core Knowledge Science program, visit this page!</li> </ul>
3	This unit has been informed by the following Next Generation Science Standards (NGSS) Performance Expectations:  Topic—The Needs of Plants  2-LS2-1 2-LS2-2  Topic—Water 2-LS4-1
9	Recommended Science Trade Books
11	NGSS References  • DCI • CCC • SEP
12	Resources for Effective and Safe Classroom Activities
13	Materials Supply List: Grade 2 Unit 2 Organisms and Their Habitats

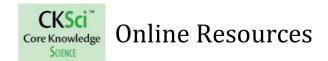
← Table of Contents Next Lesson →



# **Unit Opener**

Page	Resource Links
18	Disciplinary Core Idea: LS4.D <i>Biodiversity and humans</i> • From the Framework: Pages 144–145
	Science and Engineering Practice: 1 Asking Questions and Defining Problems  • From the Framework:  Pages 54–56
	Crosscutting Concept: 1 Patterns  • From the Framework: Pages 85–87
21	[VIDEO]Outdoor Land Lab

← Table of Contents Next Lesson →



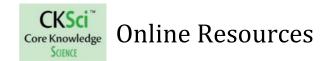
# Lesson 1 Opener

Page	Resource Links
26	NGSS References
	<ul><li>DCI</li><li>CCC</li><li>SEP</li></ul>

#### Lesson 1, Segment 1

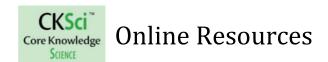
Page	Resource Links
27	Performance Expectation:  • 2-LS4-1  Evidence Statements for 2-LS4-1
	Disciplinary Core Idea: LS4.D <i>Biodiversity and Humans</i> • From the Framework:  Pages 144–145
	Science and Engineering Practice: 1 Asking Questions and Defining Problems  • From the Framework: Pages 54–56
	Crosscutting Concept: 1 Patterns  • From the Framework: Pages 85–87
30	[VIDEO]Plants [Watch from 0:00 to 1:00]

← Table of Contents Next Lesson →



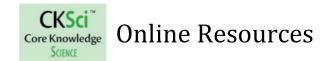
Page	Resource Links
32	Performance Expectation:  • 2-LS4-1  Evidence Statements for 2-LS4-1
	Disciplinary Core Idea: LS4.D <i>Biodiversity and Humans</i> • From the Framework:  Pages 144–145
	Science and Engineering Practice: 1 Asking Questions and Defining Problems  • From the Framework:  Pages 54–56
	Crosscutting Concept: 1 Patterns  • From the Framework:  Pages 85–87

← Table of Contents Next Lesson →



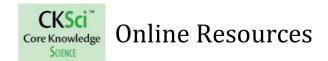
Page	Resource Links
37	Performance Expectation:  • 2-LS4-1  Evidence Statements for 2-LS4-1
	Disciplinary Core Idea: LS4.D <i>Biodiversity and Humans</i> • From the Framework: Pages 144–145
	Science and Engineering Practice: 1 Asking Questions and Defining Problems  • From the Framework:  Pages 54–56
	Crosscutting Concept: 1 Patterns  • From the Framework:  Pages 85–87
46	[VIDEO]Different Plants, Different Habitats

← Table of Contents Next Lesson →



Page	Resource Links
51	Performance Expectation:  • 2-LS4-1  Evidence Statements for 2-LS4-1
	Disciplinary Core Idea: LS4.D <i>Biodiversity and Humans</i> • From the Framework: Pages 144–145
	Science and Engineering Practice: 1 Asking Questions and Defining Problems  • From the Framework:  Pages 54–56
	Crosscutting Concept: 1 Patterns  • From the Framework: Pages 85–87
53	[VIDEO] Butterflies Butterflies and Plants Plants That Attract Butterflies

← Table of Contents Next Lesson →



# Lesson 2 Opener

Page	Resource Links
56	NGSS References
	• DCI
	• CCC
	• SEP

#### Lesson 2, Segment 1

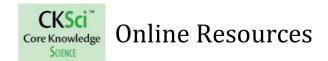
Page	Resource Links
57	Performance Expectation:
	• 2-LS2-1
	Evidence Statements for 2-LS2-1
	Disciplinary Core Idea:
	LS2.A Interdependent Relationships in Ecosystems
	<ul> <li>From the Framework:</li> <li>Pages 150–152</li> </ul>
	Science and Engineering Practice: 3 Planning and Carrying Out Investigations  • From the Framework: Pages 59–61
	<ul> <li>Crosscutting Concept: 2 Cause and Effect</li> <li>From the Framework:</li> <li>Pages 87–89</li> </ul>
59	[VIDEO]Plants' Needs

← Table of Contents Next Lesson →



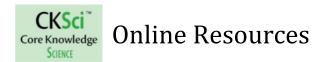
Page	Resource Links
63	Performance Expectation:  • 2-LS2-1  Evidence Statements for 2-LS2-1
	Disciplinary Core Idea: LS2.A Interdependent Relationships in Ecosystems  • From the Framework: Pages 150–152
	Science and Engineering Practice: 3 Planning and Carrying Out Investigations  • From the Framework: Pages 59–61
	Crosscutting Concept: 2 Cause and Effect  • From the Framework:  Pages 87–89

← Table of Contents Next Lesson →



Page	Resource Links
67	Performance Expectation:  • 2-LS2-1  Evidence Statements for 2-LS2-1
	Disciplinary Core Idea: LS2.A Interdependent Relationships in Ecosystems  • From the Framework: Pages 150–152
	Science and Engineering Practice: 3 Planning and Carrying Out Investigations  • From the Framework: Pages 59–61
	Crosscutting Concept: 2 Cause and Effect  • From the Framework:  Pages 87–89

← Table of Contents Next Lesson →



Page	Resource Links
71	Performance Expectation:
	• 2-LS2-1
	Evidence Statements for 2-LS2-1
	Disciplinary Core Idea:
	LS2.A Interdependent Relationships in Ecosystems
	<ul><li>From the Framework:</li></ul>
	Pages 150–152
	Science and Engineering Practice: 3 Planning and
	Carrying Out Investigations
	• From the Framework:
	Pages 59-61
	Crosscutting Concept: 2 Cause and Effect
	<ul><li>From the Framework:</li></ul>
	Pages 87–89
78	[VIDEO]What Plants Need to Live

← Table of Contents

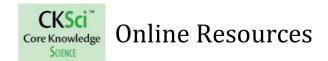
Next Lesson →



Page	Resource Links
79	Performance Expectation:
	• 2-LS2-1
	Evidence Statements for 2-LS2-1
	Disciplinary Core Idea:
	LS2.A Interdependent Relationships in Ecosystems
	<ul><li>From the Framework:</li></ul>
	Pages 150–152
	Science and Engineering Practice: 3 Planning and Carrying Out Investigations
	<ul> <li>From the Framework:</li> </ul>
	Pages 59–61
	Crosscutting Concept: 2 Cause and Effect
	<ul><li>From the Framework:</li></ul>
	Pages 87–89

← <u>Table of Contents</u>

Next Lesson →



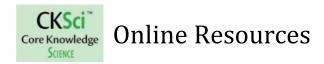
## Lesson 3 Opener

Page	Resource Links
84	NGSS References
	<ul><li>DCI</li><li>CCC</li><li>SEP</li></ul>

#### Lesson 3, Segment 1

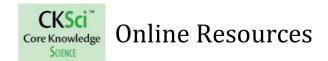
Page	Resource Links
85	Performance Expectation:  • 2-LS4-1  Evidence Statements for 2-LS4-1
	Disciplinary Core Idea: LS4.D <i>Biodiversity and Humans</i> • From the Framework:  Pages 144–145
	Science and Engineering Practice: 1 Asking Questions and Defining Problems  • From the Framework: Pages 54–56
	Crosscutting Concept: 1 Patterns  • From the Framework:  Pages 85–87
89	[VIDEO]The Diversity of The Animal Kingdom [Watch from 0:00 to 2:10. NOTE: There are some images beyond the 2:10 mark in the video that may be disturbing for children.]

← Table of Contents Next Lesson →



Page	Resource Links
90	Performance Expectation:  • 2-LS4-1  Evidence Statements for 2-LS4-1
	Disciplinary Core Idea: LS4.D <i>Biodiversity and Humans</i> • From the Framework:  Pages 144–145
	Science and Engineering Practice: 1 Asking Questions and Defining Problems  • From the Framework:  Pages 54–56
	Crosscutting Concept: 1 Patterns  • From the Framework:  Pages 85–87
105	[VIDEO] Animals and the Habitats in Which They Live [NOTE: The video features text that will need to be read to students or that you may wish to have students take turns reading.]

← Table of Contents Next Lesson →



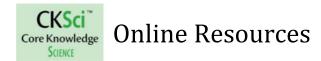
Page	Resource Links
94	Performance Expectation:
	• 2-LS4-1
	Evidence Statements for 2-LS4-1
	Disciplinary Core Idea: LS4.D Biodiversity and Humans
	<ul><li>From the Framework:</li></ul>
	Pages 144–145
	Science and Engineering Practice: 1 Asking Questions and Defining Problems
	<ul> <li>From the Framework:</li> <li>Pages 54–56</li> </ul>
	Crosscutting Concept: 1 Patterns
	<ul><li>From the Framework:</li></ul>
	Pages 85–87

← Table of Contents Next Lesson



Page	Resource Links
110	Performance Expectation:  • 2-LS4-1  Evidence Statements for 2-LS4-1
	Disciplinary Core Idea: LS4.D <i>Biodiversity and Humans</i> • From the Framework:  Pages 144–145
	Science and Engineering Practice: 1 Asking Questions and Defining Problems  • From the Framework:  Pages 54–56
	Crosscutting Concept: 1 Patterns  • From the Framework:  Pages 85–87
111	[VIDEO]Butterflies Eating Milkweed
112	[VIDEO]Monarch Butterfly Life Cycle

← Table of Contents Next Lesson



# Lesson 4 Opener

Page	Resource Links
116	NGSS References
	• DCI
	• CCC
	• SEP

#### Lesson 4, Segment 1

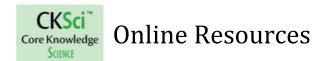
Page	Resource Links
117	Disciplinary Core Idea:  LS2.A Interdependent Relationships in Ecosystems  • From the Framework:  Pages 150–152  Science and Engineering Practices:  1 Asking Questions and Defining Problems  • From the Framework:  Pages 54–56  2 Developing and Using Models
	<ul><li>2 Developing and Using Models</li><li>From the Framework:</li><li>Pages 56–59</li></ul>
	Crosscutting Concept: 2 Cause and Effect  • From the Framework:  Pages 87–89
119	[VIDEO]Seeds Develop from Flowers
120	[VIDEO] Seed Movement Plant Pollination

← <u>Table of Contents</u> Next Lesson →



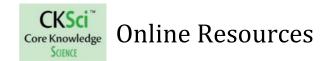
Page	Resource Links
122	Disciplinary Core Idea: LS2.A Interdependent Relationships in Ecosystems  • From the Framework: Pages 150–152
	Science and Engineering Practices:  1 Asking Questions and Defining Problems  • From the Framework: Pages 54–56  2 Developing and Using Models  • From the Framework: Pages 56–59
	Crosscutting Concept: 2 Cause and Effect  • From the Framework: Pages 87–89
130	[VIDEO]More Plant Pollination
131	[VIDEO]Plants Pollinators Like

← Table of Contents Next Lesson →



Page	Resource Links
132	Performance Expectation:  • 2-LS2-2  Evidence Statements for 2-LS2-2
	Disciplinary Core Idea: LS2.A Interdependent Relationships in Ecosystems  • From the Framework: Pages 150–152
	Science and Engineering Practice: 2 Developing and Using Models  • From the Framework: Pages 56–59
	<ul> <li>Crosscutting Concept: 2 Cause and Effect</li> <li>From the Framework: Pages 87–89</li> </ul>

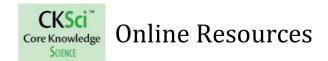
← Table of Contents Next Lesson →



## **Unit Capstone**

Page	Resource Links
136	Performance Expectation:
	• 2-LS2-2
	Evidence Statements for 2-LS2-2
	Disciplinary Core Idea:
	LS2.A Interdependent Relationships in Ecosystems
	<ul><li>From the Framework:</li></ul>
	• Pages 150–152
	Science and Engineering Practice: 2 Developing and Using Models
	<ul> <li>From the Framework:</li> </ul>
	Pages 56–59
	Crosscutting Concept: 2 Cause and Effect
	• From the Framework:
	Pages 87–89

← Table of Contents Unit Supplement →



## Unit Supplement

Page	Resource Links
140	Science and Engineering Practices:
	1 Asking Questions and Defining Problems
	<ul> <li>From the Framework:</li> </ul>
	Pages 54–56
	8 Obtaining, Evaluating, and Communicating Information
	<ul><li>From the Framework:</li></ul>
	Pages 74–77
	Understandings about the Nature of Science
	<ul> <li>Scientific Knowledge Is Based on Empirical</li> </ul>
	<u>Evidence</u>
	<ul> <li>Science Is a Way of Knowing</li> </ul>
	<ul> <li>Science Is a Human Endeavor</li> </ul>
	Connection to Engineering, Technology and
	Applications of Science
	<ul> <li>Interdependence of Science, Engineering, and</li> </ul>
	<u>Technology</u>

← Table of Contents Teacher Resources →



#### **Teacher Resources**

Page	Resource Links
12	Resources for Effective and Safe Classroom Activities
14	Materials Supply List: Grade 2 Unit 2 Organisms and Their Habitats
169	Activity Pages Answer Key
173	Safety in the Science Classroom:  • NSTA Safety Resources  • Safety Resources for Elementary Teachers
	<ul> <li>Teacher Guide Appendices:</li> <li>Appendix A: Glossary</li> <li>Appendix B: Safety for Activities</li> <li>Appendix C: Strategies for Acquiring Materials</li> <li>Appendix D: Advance Preparation</li> <li>Appendix E: Unexpected Activity Results</li> </ul>

← Table of Contents