

Online Resources

Reading About Science

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 Reader](#)).

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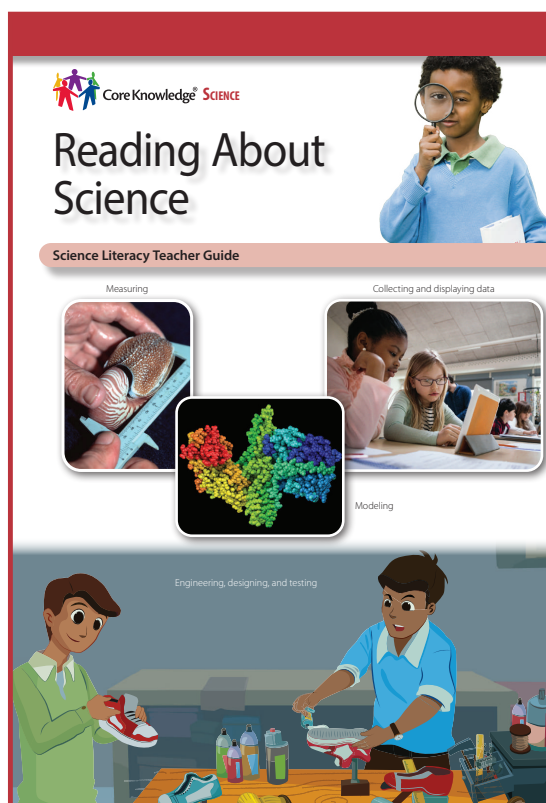
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NOTE: Any entries with **UPDATED** listed mean the link's content has changed. This will not be reflected in the Teacher Guide print or online versions.

NOTE: There are no online resources for Lesson 10.

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Introduction

Page	Resource Links
1	<p>Note to Core Knowledge Teachers:</p> <p>Core Knowledge Sequence (Website)</p> <p>This unit emphasizes the Next Generation Science Standards (NGSS):</p> <p>Crosscutting Concepts (CCC) (PDF Document)</p> <p>Science and Engineering Practices (SEP) (PDF Document)</p>
10–11	Common Core State Standards for English Language Arts (PDF Document)
11	Student Bookmarks (PDF Document)
13	Materials List for Grade 3, Unit 7 (PDF Document)
14	<p>Grade 3 Engagement 1 (use following Lesson 7) (CK Digitals Website)</p> <p>Grade 3 Engagement 2 (use following Lesson 14) (CK Digitals Website)</p> <p>Grade 3 Engagement 3 (use following Lesson 20) (CK Digitals Website)</p> <p>Grade 3 Reward Engagement (use following Engagements 1–3) (CK Digitals Website)</p>

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Lesson 1

Page	Resource Links
16	YouTube - What Is Science? For Kids Next Generation Science Lesson (NGSS) Grades 3-5 (Video) YouTube - What is Science? For Kids The Scientific Method Famous Scientists (Video)

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Lesson 2

Page	Resource Links
20	YouTube - Fact vs. Theory vs. Hypothesis vs. Law... EXPLAINED! (Video)

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Lesson 3

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24	YouTube - Let's Measure—Choose Your Tools! MightyOwl Math 2nd Grade (Video) YouTube - Measuring Length for Kids Measuring Tools Math for 2nd Grade (Video)

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Lesson 4

Page	Resource Links
28	YouTube - How To Make Shoes Custom Sneakers From The Sole Up (Video) YouTube - Variables in Science: Independent, Dependent and Controlled! (Video)

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32	YouTube - How to Use Models (Video) YouTube - How to Make a 3D Solar System for School Project (Video)

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36	YouTube - Fair Tests (Video)

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40	YouTube - Data! Mini Math Movies (Video)

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44	Google - Animals by Watering Hole (Website)

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48	YouTube - My Dad's an Alien Business Car Manager Blog (Video)

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56	The New York Times - The Learning Network: Current Events (Website)
58	World Wildlife Fund - Species Directory (Website) Environmental Conservation Online System (ECOS) - FWS: Listed U.S. Species by Taxonomic Group—All Animals (Website) Kiddle - Endangered Species Facts for Kids (Website)

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62	TED-Ed - The Sun's Surprising Movement Across the Sky—Gordon Williamson (Video) Arizona State University: Ask A Biologist - Peppered Moth How to Play (Online Game) Arizona State University: Ask A Biologist - Peppered Moth Play Game (Online Game)

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68	YouTube - Doll House Build (Video) YouTube (Shorts) - Comparing Model Trains Scales (Video)
70	YouTube - Sea Turtles 101 National Geographic (Video)

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72	YouTube - Weather for Kids What is Weather, and How Does it Work? (Video)
73	YouTube - What is a Salt Marsh? (Video)

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80	YouTube - Types of Bird Feathers: Use Shape to Identify Feathers (Video)
81	YouTube - How to Identify a Tree By Leaf, Bark and Fruit Wood and Lumber Identification for Woodworking (Video) YouTube - How to Identify Hardwoods and Softwoods Ask This Old House (Video)

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84	YouTube - Weather vs. Climate: Crash Course Kids #28.1 (Video) YouTube - Severe Weather: Crash Course Kids #28.2 (Video)
85	YouTube - What causes El Niño and La Niña? (Video)
86	NASA - Changes in Obliquity (Tilt) (Video)

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88	YouTube - How to Prepare Yourself for a Power Outage (Video)
89	YouTube - How to Prepare for a Flood Disasters (Video)

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92	YouTube - How Do We Know When It Will Rain? Weather Science (Video) YouTube - How are Weather Forecasts Made? (Video)
94	YouTube - Be a Weather Watcher Weather Science (Video)

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13	Materials List for Grade 3, Unit 7 (PDF Document)
118–119	Answer Key for Activity Pages (PDF Document)
120–125	<p>Teacher Guide Appendices:</p> <p>Appendix A: Glossary (PDF Document)</p> <p>Appendix B: Safety (PDF Document)</p> <p>Appendix C: Strategies for Acquiring Materials (PDF Document)</p> <p>Safety Resources:</p> <p>National Science Teaching Association (NSTA) - Safety Alert (Website)</p> <p>National Science Teaching Association (NSTA) - Safety Resources for Elementary Teachers (PDF Document)</p> <p>U.S. Department of Education - Elementary & Secondary Education (Website)</p> <p>National Cybersecurity Alliance - A Teacher's Guide To Student Online Safety (Website)</p>

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