

Online Resources

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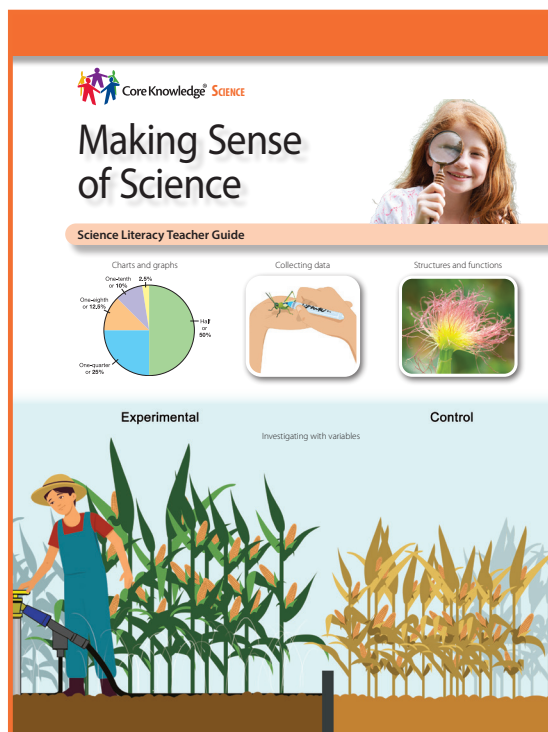
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NOTE: Any entries with **UPDATED** listed mean the link's content has changed. This will not be reflected in the Teacher Guide print or online versions.

NOTE: There are no online resources for Lessons 3, 4, 8, 12, or 13.

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Introduction

Page	Resource Links
1	Note to Core Knowledge Teachers: Core Knowledge Sequence (Website) This unit emphasizes the Next Generation Science Standards (NGSS): Crosscutting Concepts (CCC) (PDF Document) Science and Engineering Practices (SEP) (PDF Document)
10–11	Common Core State Standards for English Language Arts (PDF Document)
11	Student Bookmarks (PDF Document)
13	Materials List for Grade 4, Unit 8 (PDF Document)
14	Grade 4 Engagement 1 (use following Lesson 7) (CK Digital Website) Grade 4 Engagement 2 (use following Lesson 15) (CK Digital Website) Grade 4 Engagement 3 (use following Lesson 20) (CK Digital Website) Grade 4 Reward Engagement (use following Engagements 1–3) (CK Digital Website)

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Lesson 1

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16	YouTube - OSIRIS-REx: NASA's First Mission to Deliver Asteroid Samples to Earth (Video)

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Lesson 2

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20	YouTube - Walking Water Experiment STEM Activity (Video) Science Buddies - STEM Activity: Walking Water (Video)

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32	YouTube - The World's Largest Earth Science Experiment Biosphere 2 Introduction (Video) YouTube - Biosphere 2 in 60 Seconds (Video)
33	Smartprix - Emojis (Website) Science Sparks - How Do Lungs Work? Make A Model Lung (Website) Britannica - See How Astronauts Train on Parabolic Flights to Prepare for the Weightlessness Experienced in Space (Video)
34	YouTube - NASA Synthesis: NASA Data Visualizations Part 01 (Video) The Weather Channel - Philippe Forecast To Become A Hurricane (Video)

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37	Pfizer - USPI-Abrysvo (RSV Vaccine) Act-O-Vial (PDF Document)
38	ScreenSkills - Simple Storyboards: Why and How to Make Them (Website) CareerFoundry - 4 of the Best UI Storyboard Examples for 2024 (Blog)

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40	The New York Times - The Learning Network: What's Going On in This Graph? (Video)
42	The National Center of Education Statistics - Kids' Zone: Create a Graph (Website) Pinterest - Graphing and Data Analysis in First Grade (Post) YouTube - Graphs for Kids Learn All About Basic Graphs (Video)

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50	Kiddle - Bigfoot Facts for Kids (Website) Britannica - Chupacabra (Website) American Museum of Natural History - Modern Myths (Website) Britannica - Loch Ness Monster (Website) Visit Inverness Loch Ness - The Loch Ness Monster (Website)

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54	Time Magazine - Time for Kids (Articles)

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56	Science Journals for Kids - Scientific Articles for Elementary School (Articles)
57	Science Journals for Kids - Science Report (PDF Document)

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69	PBS Learning Media - Oceanographer Career Series (Video)
70	YouTube - Palmyra Atoll; Shark Mark-Recapture Study Donor (Video)

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72	YouTube - The Systems of the Human Body (Video)

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76	YouTube - What's Matter? - Crash Course Kids #3.1 (Video)
78	YouTube - Vacation or Conservation (Of Mass): Crash Course Kids #23.1 (Video)

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80	YouTube - What Are Animal Adaptations? (Video)

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84	YouTube - Top Longest Living Animals (Video)
85	YouTube - Stop Buying Yogurt! Make Your Own Using Two Ingredients (Video)

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88	TED-Ed - A Promising Test for Pancreatic Cancer ... From a Teenager (Video)

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94	YouTube - Light for Kids Where Does Light Come From? (Video)

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13	Materials List for Grade 4, Unit 8 (PDF Document)
117–118	Answer Key for Activity Pages (PDF Document)
119–124	Teacher Guide Appendices: Appendix A: Glossary (PDF Document) Appendix B: Safety (PDF Document) Appendix C: Strategies for Acquiring Materials (PDF Document) Safety Resources: National Science Teaching Association (NSTA) - Safety Alert (Website) National Science Teaching Association (NSTA) - Safety Resources for Elementary Teachers (PDF Document) U.S. Department of Education - Elementary & Secondary Education (Website) National Cybersecurity Alliance - A Teacher's Guide To Student Online Safety (Website)

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