

Science All Around Us

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).

Introduction

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Teacher Resources



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, 5, 6, 13, 14, 16, and 19.



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Introduction

DIGITAL ENGAGEMENTS: Core Knowledge offers a series of fun, enriching, interactive digital engagements to accompany this unit. The engagements are designed to be facilitated by the teacher and involve the entire class participating at the same time.

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)
9	Common Core State Standards for English Language Arts (PDF Document)
10	Student Bookmarks (PDF Document)
12–13	Materials List for Grade K, Unit 7 (PDF Document)
14	Grade K Engagement 1 (use following Lesson 6) (CK Digitals Website)
	Grade K Engagement 2 (use following Lesson 19) (CK Digitals Website)
	Grade K Engagement 3 (use following Lesson 20) (CK Digitals Website)
	Grade K Reward Engagement (use following Engagements 1–3) (CK Digitals Website)



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Lesson 1

Page	Resource Links
16	YouTube - American Robin Pulls Out the Largest Worm I've Ever Seen (Video)
18	YouTube - Big Horn Bash Untamed Americas (Video)





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Lesson 2

Page	Resource Links
24	YouTube - She Can Speak Chimpanzee (Video)
28	YouTube - Kids are Born Scientists: Neil deGrasse Tyson (Video)



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Lesson 4

Page	Resource Links
45	YouTube - Great Innovators: "George Washington Carver: The Wizard of Tuskegee" by StoryBots Netflix Jr (Video)

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Lesson 7

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64	YouTube - Busy Bees! Bumblebees and Honeybees Amazing Animals SciShow Kids (Video)





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Lesson 8

Page	Resource Links
72	YouTube - Learn Counting & Numbers with Nature: For Babies, Toddlers, Infants & Preschoolers (Video)





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Lesson 9

Page	Resource Links
80	YouTube - Top 30 Amazing Facts About Mice (Video)

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Lesson 10

Page	Resource Links
88	YouTube - How Hard Do Moles Dig? ScienceTake (Video)





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Lesson 11

Page	Resource Links
96	YouTube - Sunrise/Sunset for Kids/What is Sunrise/What is Sunset (Video)





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Lesson 12

Page	Resource Links
104	YouTube - Sunrise/Sunset for Kids/What is Sunrise/What is Sunset (Video)





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Lesson 15

Page	Resource Links
128	YouTube - Ice Cream Server Chain Reaction Machine (Video)





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Lesson 17

Page	Resource Links
144	YouTube - Shapes in Nature (Video)

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Lesson 18

Page	Resource Links
152	MirAlf media - Mountain Weather Dramatic (Video)
	MirAlf media - Time Lapse New York (Video)





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Lesson 20

Page	Resource Links
168	YouTube - What Is a Nebula? (Video)

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Page	Resource Links
12–13	Materials List for Grade K, Unit 7 (PDF Document)
196– 197	Answer Key for Activity Pages (PDF Document)
198– 202	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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