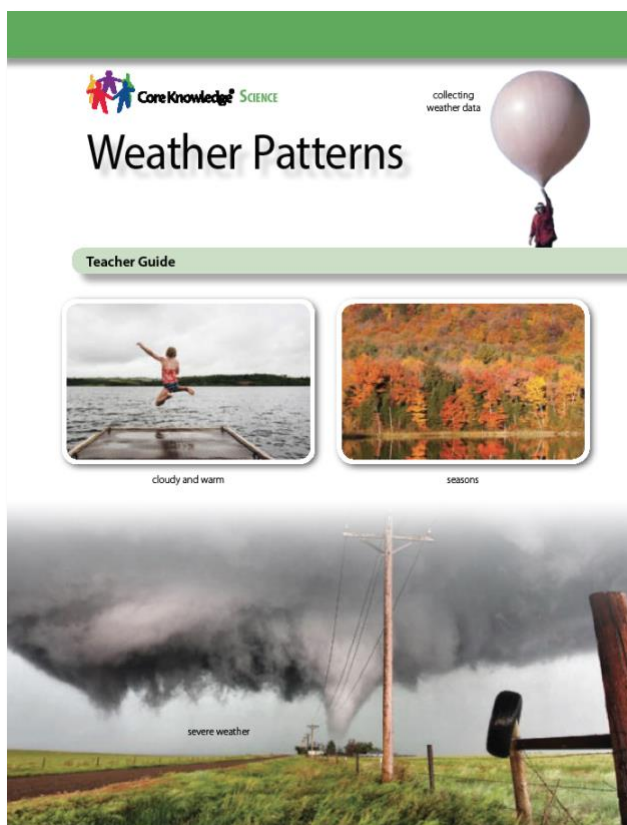


Weather Patterns

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](#)).

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About this Unit

Page	Resource Links
2	Note to Teachers and Curriculum Planners - The learning progressions of Disciplinary Core Ideas PS1.A, PS3.B, ESS2.D, ESS3.A, ESS3.B, ETS1.A, ETS1.B, and ETS1.C offers guidance regarding the scope and sequence of learning about matter and its interactions, the conservation of energy and energy transfer, weather and climate, natural resources, and engineering design in the elementary grades and beyond. - Learn more about this core idea and its related content by reading the corresponding section of A Framework for K–12 Science Education. See also the Teachers Resources section of this guide. To see an overview of the entire Core Knowledge Science program, visit this page.
3	This unit has been informed by the following Next Generation Science Standards (NGSS) Performance Expectations: Topic—Energy K-PS3-1 K-PS3-2 Topic—Earth and Human Activity K-ESS3-1 K-ESS3-2
10	Recommended Science Trade Books
13	NGSS References DCI CCC SEP
14	Resources for Effective and Safe Classroom Activities Materials Supply List: Grade K Unit 4 Weather Patterns

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31	[VIDEO] A Song About Weather
36	[VIDEO] National Weather Service Balloon Launch

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89	[VIDEO] Umbrella by Taro Yashima

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111	[WEBLINK] Astronomical and Meteorological Seasons

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	Science and Engineering Practices: 1 <i>Asking Questions and Defining Problems</i> • From the Framework: Pages 54–56 8 <i>Obtaining, Evaluating, and Communicating Information</i> • From the Framework: Pages 74–77
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127	[VIDEO] Heat Wave Safety What Is a Heat Wave? Teacher Reference: What Causes Heat Waves?
128	[VIDEO] Hurricanes for Kids What Is a Hurricane?
129	[VIDEO] Close-Up of a Tornado
130	[VIDEO] Close-Up of a Blizzard [WEBLINK] Prepare with Pedro

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140	[WEBLINK] Forecast Map
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	Science and Engineering Practices: <i>1 Asking Questions and Defining Problems</i> • From the Framework: Pages 54–56 <i>6 Constructing Explanations and Designing Solutions</i> • From the Framework: Pages 67–71 <i>8 Obtaining, Evaluating, and Communicating Information</i> • From the Framework: Pages 74–77
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Unit Supplement

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	Crosscutting Concept: <i>1 Patterns</i> • From the Framework: Pages 85–87
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14	Resources for Effective and Safe Classroom Activities Materials Supply List: Grade K Unit 4 Weather Patterns
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209	Safety in the Science Classroom: • NSTA Safety Resources • Safety Resources for Elementary Teachers
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