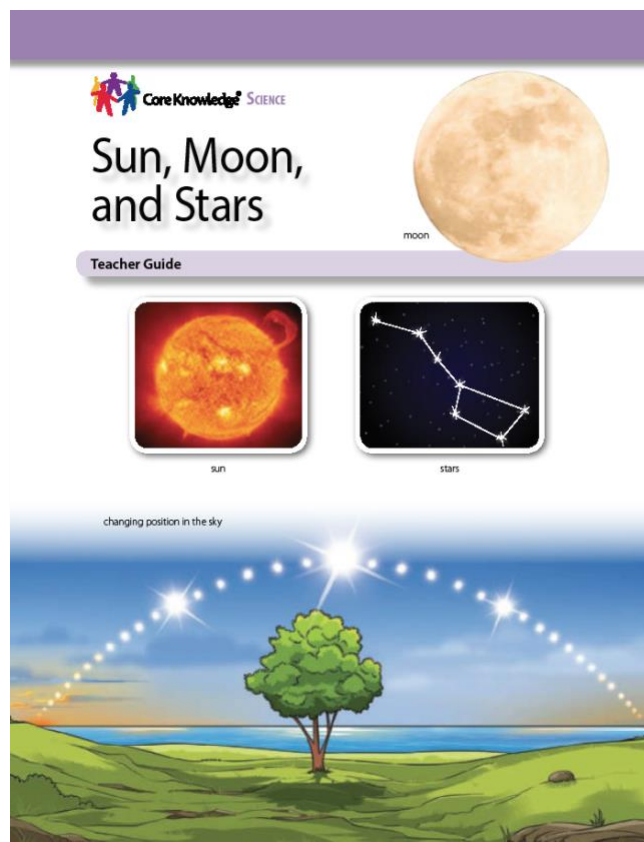


## Sun, Moon, and Stars

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](#)).

|                 |                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <a href="#">About this Unit</a>                                                                                                                                            |
| Unit Opener     | <a href="#">Unit Opener</a>                                                                                                                                                |
| Lesson 1        | <a href="#">Segment 1</a><br><a href="#">Segment 2</a><br><a href="#">Segment 3</a><br><a href="#">Segment 4</a>                                                           |
| Lesson 2        | <a href="#">Segment 1</a><br><a href="#">Segment 2</a><br><a href="#">Segment 3</a><br><a href="#">Segment 4</a><br><a href="#">Segment 5</a>                              |
| Lesson 3        | <a href="#">Segment 1</a><br><a href="#">Segment 2</a><br><a href="#">Segment 3</a><br><a href="#">Segment 4</a><br><a href="#">Segment 5</a><br><a href="#">Segment 6</a> |
| Lesson 4        | <a href="#">Segment 1</a><br><a href="#">Segment 2</a><br><a href="#">Segment 3</a><br><a href="#">Segment 4</a>                                                           |
| Unit Capstone   | <a href="#">Unit Capstone</a>                                                                                                                                              |
| Unit Supplement | <a href="#">Unit Supplement</a>                                                                                                                                            |
|                 | <a href="#">Teacher Resources</a>                                                                                                                                          |



## About this Unit

| Page | Resource Links                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2    | <p>Note to Teachers and Curriculum Planners</p> <ul style="list-style-type: none"> <li>The learning progressions of Disciplinary Core Ideas <a href="#">ESS1.A</a> and <a href="#">ESS1.B</a> offers 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 href="#">A Framework for K–12 Science Education</a>.</li> </ul> <p>See also the <a href="#">Teachers Resources</a> section of this guide.</p> <p><a href="#">To see an overview of the entire Core Knowledge Science program, visit this page.</a></p> |
| 4    | <p>This unit has been informed by the following Next Generation Science Standards (NGSS) Performance Expectations:</p> <p>Topic—Earth’s Place in the Universe</p> <ul style="list-style-type: none"> <li><a href="#">1-ESS1-1</a></li> <li><a href="#">1-ESS1-2</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 10   | <a href="#">Recommended Science Trade Books</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 13   | <p>NGSS References</p> <ul style="list-style-type: none"> <li><a href="#">DCI</a></li> <li><a href="#">CCC</a></li> <li><a href="#">SEP</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 14   | <ul style="list-style-type: none"> <li><a href="#">Resources for Effective and Safe Classroom Activities</a></li> <li><a href="#">Materials Supply List: Grade 1 Unit 1 Sun, Moon, and Stars</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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## Unit Opener

| Page | Resource Links                                                                                                                                                                              |
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| 19   | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>                |
|      | Science and Engineering Practice:<br>1 <i>Asking Questions and Defining Problems</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 54–56</a></li> </ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                           |

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## Lesson 1 Opener

| Page | Resource Links                                                                                                                                        |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 27   | NGSS References <ul style="list-style-type: none"> <li>• <a href="#">DCI</a></li> <li>• <a href="#">CCC</a></li> <li>• <a href="#">SEP</a></li> </ul> |

## Lesson 1, Segment 1

| Page | Resource Links                                                                                                                                                                                |
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| 28   | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>                |
|      | Science and Engineering Practice:<br>1 <i>Asking Questions and Defining Problems</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 54–56</a></li> </ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                           |

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## Lesson 1, Segment 2

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| 32   | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>         |
|      | Science and Engineering Practice:<br>4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 61–63</a></li> </ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                    |

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## Lesson 1, Segment 3

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| 41   | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                            |

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## Lesson 1, Segment 4

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| 53   | Performance Expectation: <ul style="list-style-type: none"> <li>• <a href="#">1-ESS1-1</a></li> </ul> <a href="#">Evidence Statements</a> for 1-ESS1-1                                |
|      | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 173–174</a></li> </ul>         |
|      | Science and Engineering Practice:<br>4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 61–63</a></li> </ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 85–87</a></li> </ul>                                    |

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## Lesson 2 Opener

| Page | Resource Links                                                                                                                                        |
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| 60   | NGSS References <ul style="list-style-type: none"> <li>• <a href="#">DCI</a></li> <li>• <a href="#">CCC</a></li> <li>• <a href="#">SEP</a></li> </ul> |

## Lesson 2, Segment 1

| Page | Resource Links                                                                                                                                                                                                                                                                                                                                            |
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| 61   | Disciplinary Core Idea:<br>ESS1.B <i>Earth and the Solar System</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 175–176</a></li> </ul>                                                                                                                                                                            |
|      | Science and Engineering Practices:<br><i>1 Asking Questions and Defining Problems</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 54–56</a></li> </ul> <i>3 Planning and Carrying Out Investigations</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 59–61</a></li> </ul> |
|      | Crosscutting Concept: <i>1 Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                                                                                                                                                                                          |
| 64   | [WEBLINKS] <a href="#">Sunrises and Sunsets</a>                                                                                                                                                                                                                                                                                                           |

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## Lesson 2, Segment 2

| Page | Resource Links                                                                                                                                                                                 |
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| 68   | Performance Expectation: <ul style="list-style-type: none"> <li>• <a href="#">1-ESS1-2</a><br/><a href="#">Evidence Statements</a> for 1-ESS1-2</li> </ul>                                     |
|      | Disciplinary Core Idea:<br>ESS1.B <i>Earth and the Solar System</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 175–176</a></li> </ul>                  |
|      | Science and Engineering Practice:<br>3 <i>Planning and Carrying Out Investigations</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 59–61</a></li> </ul> |
|      | Crosscutting Concept: <i>1 Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 85–87</a></li> </ul>                                                |

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## Lesson 2, Segment 3

| Page | Resource Links                                                                                                                                                                                                                                                                                                                                 |
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| 73   | Performance Expectation: <ul style="list-style-type: none"> <li>• <a href="#">1-ESS1-2</a><br/><a href="#">Evidence Statements</a> for 1-ESS1-2</li></ul>                                                                                                                                                                                      |
|      | Disciplinary Core Idea:<br>ESS1.B <i>Earth and the Solar System</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 175–176</a></li></ul>                                                                                                                                                                   |
|      | Science and Engineering Practices:<br><i>3 Planning and Carrying Out Investigations</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 59–61</a></li></ul> <i>4 Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 61–63</a></li></ul> |
|      | Crosscutting Concepts:<br><i>1 Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 85–87</a></li></ul> <i>2 Cause and Effect</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 87–89</a></li></ul>                                                            |

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## Lesson 2, Segment 4

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| 80   | Disciplinary Core Idea:<br>ESS1.B <i>Earth and the Solar System</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 175–176</a></li> </ul>                                                                                                                                                                                   |
|      | Science and Engineering Practices:<br>1 <i>Asking Questions and Defining Problems</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 54–56</a></li> </ul> 6 <i>Constructing Explanations and Designing Solutions</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 67–71</a></li> </ul> |
|      | Crosscutting Concepts:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul> 2 <i>Cause and Effect</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 87–89</a></li> </ul>                                                                            |
| 82   | [VIDEO] <a href="#">Sunrise and Sunset</a>                                                                                                                                                                                                                                                                                                                     |
| 86   | [VIDEO] <a href="#">Bed in Summer</a>                                                                                                                                                                                                                                                                                                                          |
| 88   | [VIDEO] <a href="#">The Position of the Sun in the Sky</a>                                                                                                                                                                                                                                                                                                     |

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## Lesson 2, Segment 5

| Page | Resource Links                                                                                                                                                                                                                                                                                 |
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| 90   | Performance Expectation: <ul style="list-style-type: none"> <li>• <a href="#">1-ESS1-2</a><br/><a href="#">Evidence Statements</a> for 1-ESS1-2</li></ul>                                                                                                                                      |
|      | Disciplinary Core Idea:<br>ESS1.B <i>Earth and the Solar System</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 175–176</a></li></ul>                                                                                                                   |
|      | Science and Engineering Practice:<br>4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 61–63</a></li></ul>                                                                                                           |
|      | Crosscutting Concepts: <p>1 <i>Patterns</i></p> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 85–87</a></li></ul> <p>2 <i>Cause and Effect</i></p> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 87–89</a></li></ul> |

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## Lesson 3 Opener

| Page | Resource Links                                                                                                                                        |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 96   | NGSS References <ul style="list-style-type: none"> <li>• <a href="#">DCI</a></li> <li>• <a href="#">CCC</a></li> <li>• <a href="#">SEP</a></li> </ul> |
| 97   | [WEBLINK] <a href="#">Look Up Your Moonrise and Moonset</a>                                                                                           |

## Lesson 3, Segment 1

| Page | Resource Links                                                                                                                                                                                                                                                                                                                                            |
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| 98   | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>                                                                                                                                                                            |
|      | Science and Engineering Practices:<br><i>1 Asking Questions and Defining Problems</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 54–56</a></li> </ul> <i>3 Planning and Carrying Out Investigations</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 59–61</a></li> </ul> |
|      | Crosscutting Concept: <i>1 Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                                                                                                                                                                                          |
| 100  | [VIDEO]<br><a href="#">Daytime Time-Lapse of the Moon</a><br><a href="#">Crescent Moon Moving in the Sky</a>                                                                                                                                                                                                                                              |

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## Lesson 3, Segment 2

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| 98   | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>                                                                                                                                                                   |
|      | Science and Engineering Practices:<br>3 <i>Planning and Carrying Out Investigations</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 59–61</a></li> </ul> 4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 61–63</a></li> </ul> |
|      | Crosscutting Concept: 1 <i>Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                                                                                                                                                                                 |
| 104  | [VIDEO] <a href="#">Moon Rising and Setting</a>                                                                                                                                                                                                                                                                                                |

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## Lesson 3, Segment 3

| Page | Resource Links                                                                                                                                                                       |
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| 112  | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>         |
|      | Science and Engineering Practice:<br>4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 61–63</a></li> </ul> |
|      | Crosscutting Concept: 1 <i>Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                       |

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| 122  | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>                                                                                                                                                                          |
|      | Science and Engineering Practices:<br><i>1 Asking Questions and Defining Problems</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 54–56</a></li> </ul> <i>3 Planning and Carrying Out Investigations</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 59–61</a></li> </ul> |
|      | Crosscutting Concept: <i>1 Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                                                                                                                                                                                        |
| 123  | [WEBLINK] <a href="#">Moon Images</a>                                                                                                                                                                                                                                                                                                                 |
| 127  | [WEBLINK] <a href="#">Lunar Data</a>                                                                                                                                                                                                                                                                                                                  |

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## Lesson 3, Segment 5

| Page | Resource Links                                                                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 130  | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>         |
|      | Science and Engineering Practice:<br>4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 61–63</a></li> </ul> |
|      | Crosscutting Concept:<br>2 <i>Cause and Effect</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 87–89</a></li> </ul>                            |

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## Lesson 3, Segment 6

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| 136  | Performance Expectation: <ul style="list-style-type: none"> <li>• <a href="#">1-ESS1-1</a><br/><a href="#">Evidence Statements</a> for 1-ESS1-1</li> </ul>                            |
|      | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 173–174</a></li> </ul>         |
|      | Science and Engineering Practice:<br>4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 61–63</a></li> </ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 85–87</a></li> </ul>                                    |

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## Lesson 4 Opener

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| 142  | NGSS References <ul style="list-style-type: none"> <li>• <a href="#">DCI</a></li> <li>• <a href="#">CCC</a></li> <li>• <a href="#">SEP</a></li> </ul> |

## Lesson 4, Segment 1

| Page | Resource Links                                                                                                                                                                                |
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| 143  | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>                |
|      | Science and Engineering Practice:<br>1 <i>Asking Questions and Defining Problems</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 54–56</a></li> </ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                           |

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## Lesson 4, Segment 2

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| 148  | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>                                                                                                                                                                   |
|      | Science and Engineering Practices:<br>3 <i>Planning and Carrying Out Investigations</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 59–61</a></li> </ul> 4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 61–63</a></li> </ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                                                                                                                                                                              |
| 149  | [WEBLINK] <a href="#">Starry Night Skies</a>                                                                                                                                                                                                                                                                                                   |
| 152  | [VIDEO] <a href="#">Big Dipper Movement Demonstration</a>                                                                                                                                                                                                                                                                                      |

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## Lesson 4, Segment 3

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| 154  | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 173–174</a></li> </ul>         |
|      | Science and Engineering Practice:<br>4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 61–63</a></li> </ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/> <a href="#">Pages 85–87</a></li> </ul>                                    |
| 157  | [VIDEO]<br><a href="#">The Stars Stay in Position</a><br><a href="#">More Stars Not Moving</a>                                                                                       |

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## Lesson 4, Segment 4

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| 165  | Performance Expectation: <ul style="list-style-type: none"> <li>• <a href="#">1-ESS1-1</a><br/><a href="#">Evidence Statements</a> for 1-ESS1-1</li></ul>                            |
|      | Disciplinary Core Idea:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 173–174</a></li></ul>         |
|      | Science and Engineering Practice:<br>4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 61–63</a></li></ul> |
|      | Crosscutting Concept:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 85–87</a></li></ul>                                    |

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## Unit Capstone

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| 169  | Performance Expectations: <ul style="list-style-type: none"> <li>• <a href="#">1-ESS1-1</a><br/><a href="#">Evidence Statements</a> for 1-ESS1-1</li> <li>• <a href="#">1-ESS1-2</a><br/><a href="#">Evidence Statements</a> for 1-ESS1-2</li></ul>                                                                                            |
|      | Disciplinary Core Ideas:<br>ESS1.A <i>The Universe and Its Stars</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 173–174</a></li></ul> ESS1.B <i>Earth and the Solar System</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 175–176</a></li></ul>                |
|      | Science and Engineering Practices:<br>3 <i>Planning and Carrying Out Investigations</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 59–61</a></li></ul> 4 <i>Analyzing and Interpreting Data</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 61–63</a></li></ul> |
|      | Crosscutting Concepts:<br>1 <i>Patterns</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 85–87</a></li></ul> 2 <i>Cause and Effect</i> <ul style="list-style-type: none"> <li>• From the Framework:<br/><a href="#">Pages 87–89</a></li></ul>                                                            |

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## Unit Supplement

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| 175  | Understandings About the Nature of Science<br><a href="#"><i>Scientific Investigations Use a Variety of Methods</i></a><br><a href="#"><i>Scientific Knowledge Assumes an Order and Consistency in Natural Systems</i></a><br><a href="#"><i>Science Is a Human Endeavor</i></a><br><a href="#"><i>Scientific Knowledge Is Based on Empirical Evidence</i></a> |
|      | Crosscutting Concept: <i>1 Patterns</i> <ul style="list-style-type: none"> <li>From the Framework:<br/><a href="#">Pages 85–87</a></li> </ul>                                                                                                                                                                                                                  |
|      | Connection to Engineering, Technology and Applications of Science <ul style="list-style-type: none"> <li><a href="#"><i>Interdependence of Science, Engineering, and Technology</i></a></li> </ul>                                                                                                                                                             |

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## Teacher Resources

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| 14   | <a href="#">Resources for Effective and Safe Classroom Activities</a><br><a href="#">Materials Supply List: Grade 1 Unit 1 <i>Sun, Moon, and Stars</i></a>                                                                                                                                                                                                                                     |
| 187  | <a href="#">Activity Pages Answer Key</a>                                                                                                                                                                                                                                                                                                                                                      |
| 213  | Safety in the Science Classroom: <ul style="list-style-type: none"> <li>• <a href="#">NSTA Safety Resources</a></li> <li>• <a href="#">Safety Resources for Elementary Teachers</a></li> </ul>                                                                                                                                                                                                 |
|      | <b>Teacher Guide Appendices:</b> <ul style="list-style-type: none"> <li>• <a href="#">Appendix A: Glossary</a></li> <li>• <a href="#">Appendix B: Safety for Activities</a></li> <li>• <a href="#">Appendix C: Strategies for Acquiring Materials</a></li> <li>• <a href="#">Appendix D: Advance Preparation</a></li> <li>• <a href="#">Appendix E: Unexpected Activity Results</a></li> </ul> |

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