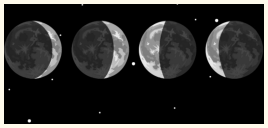
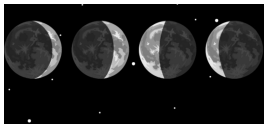
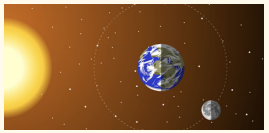
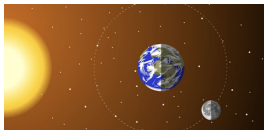
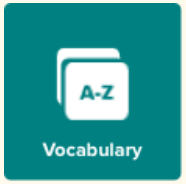
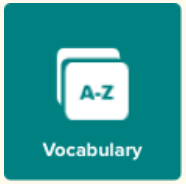
# Pacing Guide: **Patterns of the Moon**

Grade Level: **Fifth Grade** | Duration: **1 week**

BrainPOP Topics: (1) **Moon Phases** (2) **Eclipse**

| | **DAY 1** - 30 Min | **DAY 2** - 30 min | **DAY 3** - 30 min | **DAY 4** - 30 min | **Day 5** - 40 min |
|---|---|---|---|---|---|
| **Build Background**<br><br>Watch the movie, pausing to reflect on content. |  <br>Watch Movie:<br><br>Moon Phases |  <br>Re-watch Movie:<br><br>Moon Phases |  <br>Watch Movie:<br><br>Eclipse |  <br>Re-watch Movie:<br><br>Eclipse | <br>Read and Annotate:<br><br>Moon Phases |
| **Think & Do**<br><br>Engage with a grade-level appropriate feature or tool. |  <br>Vocabulary Development:<br><br>Moon Phases | <br>Apply Knowledge:<br><br>Moon Phases |  <br>Vocabulary Development:<br><br>Eclipse | <br>Apply Knowledge:<br><br>Eclipse | <br>Apply Knowledge:<br><br>How does the positioning of the Earth contribute to the phases of the moon?<br><br>View rubric. |

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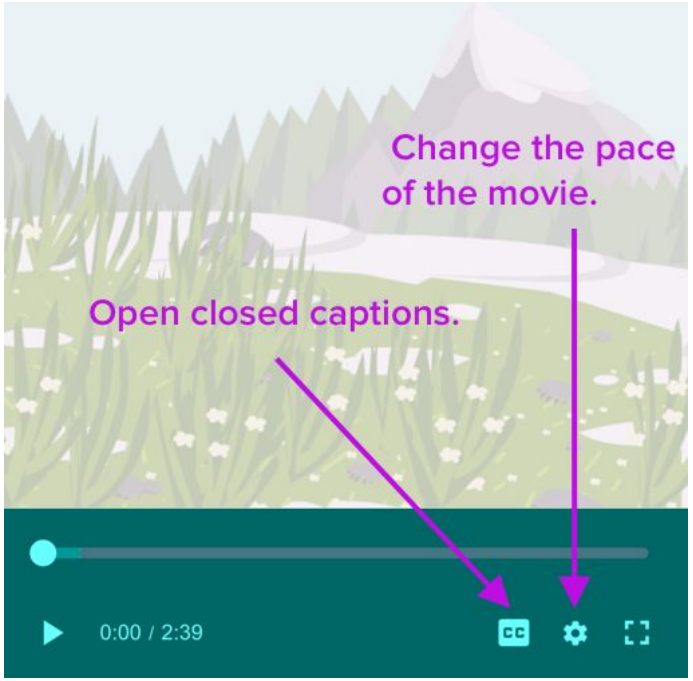
| | | | | | |
|---|---|---|---|---|---|
| **Assess**<br><br>Take a topic quiz and review your score. | | Challenge<br><br>Test Yourself:<br><br>Moon Phases | | Challenge<br><br>Test Yourself:<br><br>Eclipse | |

## Movie Viewing Tips

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## CCSS

| Standard | Activity |
| --- | --- |
| CCSS.ELA-LITERACY.RI.5.1<br>Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text. | **Build Background**<br><br>Watch and discuss movies:<br>Moon Phases<br>Eclipse |
| CCSS.ELA-LITERACY.RI.5.10<br>By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 4-5 text complexity band independently and proficiently. | **Build Background**<br><br>Related Reading: Moon Phases |
| CCSS.ELA-LITERACY.L.5.4<br>Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 5 reading and content, choosing flexibly from a range of strategies. | **Think & Do**<br><br>Vocabulary: Moon Phases<br>Vocabulary: Eclipse |
| CCSS.ELA-LITERACY.RI.5.7<br>Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently. | **Think & Do**<br><br>Graphic Organizer: Moon Phases<br>Worksheet: Eclipse |
| CCSS.ELA-LITERACY.SL.5.2<br>Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.<br><br>CCSS.ELA-LITERACY.SL.5.5<br>Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes.<br><br>CCSS.ELA-LITERACY.W.5.4<br>Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. | **Think & Do**<br><br>Make-a-Movie: Moon Phases |

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| | |
|---|---|
| CCSS.ELA-LITERACY.RI.5.3<br>Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text. | **Assess**<br><br>Challenge: Moon Phases<br>Challenge: Eclipse |

NGSS

## Science and Engineering Practices: 3-5

- ***Constructing Explanations***
  - Construct an explanation of observed relationships (e.g., the distribution of plants in the backyard).
- ***Obtaining, Evaluating, and Communicating Information***
  - Obtain and combine information from books and other reliable media to explain phenomena.
  - Read and comprehend grade-appropriate complex texts and/or other reliable media to summarize and obtain scientific and technical ideas and describe how they are supported by evidence.
  - Communicate scientific and/or technical information orally and/or in written formats, including various forms of media and may include tables, diagrams, and charts.

## Disciplinary Core Ideas

| | |
|---|---|
| ESS1.B: Earth and the Solar System | The orbits of Earth around the sun and of the moon around Earth, together with the rotation of Earth about an axis between its North and South poles, cause observable patterns. These include day and night; daily changes in the length and direction of shadows; and different positions of the sun, moon, and stars at different times of the day, month, and year. |

## Crosscutting Concepts: 3-5

- ***Patterns***
  - Similarities and differences in patterns can be used to sort, classify, communicate and analyze simple rates of change for natural phenomena and designed products.
  - Patterns of change can be used to make predictions.
  - Patterns can be used as evidence to support an explanation.
- ***Cause and Effect***
  - Events that occur together with regularity might or might not be a cause and effect relationship.

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