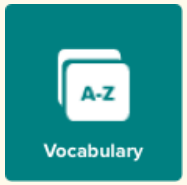
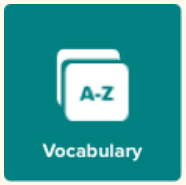
Pacing Guide: **Energy Resources**

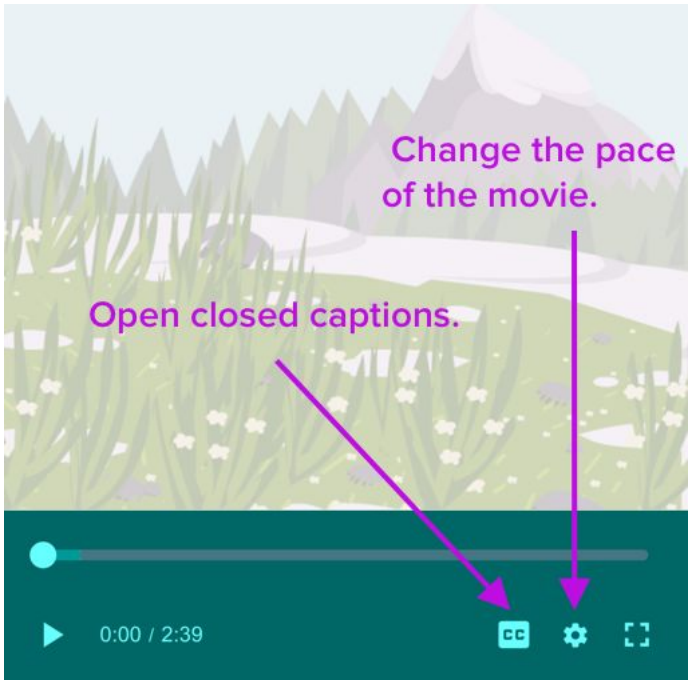
Grade Level: **Fourth Grade** | Duration: **1 week**

BrainPOP Topics: (1) **Natural Resources** (2) **Fossil Fuels** (3) **Conserving Energy**

	DAY 1 - 30 Min	**DAY 2** - 30 min	**DAY 3** - 30 min	**DAY 4** - 30 min	**Day 5** - 40 min
Build Background Watch the movie, pausing to reflect on content.	 Watch Movie: Natural Resources	 Re-watch Movie: Natural Resources	 Watch Movie: Fossil Fuels	 Re-watch Movie: Fossil Fuels	 Watch Movie: Conserving Energy
Think & Do Engage with a grade-level appropriate feature or tool.	 Vocabulary Development: Natural Resources	 Apply Knowledge: Natural Resources	 Vocabulary Development: Fossil Fuels	 Apply Knowledge: Fossil Fuels	 Apply Knowledge: Why is conserving energy important? OR How can my family conserve energy? View rubric.

Assess Take a topic quiz and review your score.		Quiz Test Yourself: Natural Resources		Quiz Test Yourself: Fossil Fuels	Quiz Test Yourself: Conserving Energy

Movie Viewing Tips



CCSS

Standard	Activity
CCSS.ELA-LITERACY.RI.4.1 Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.	**Build Background** Watch and discuss movies: Natural Resources Fossil Fuels Conserving Energy
CCSS.ELA-LITERACY.L.4.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies.	**Think & Do** Vocabulary: Natural Resources Vocabulary: Fossil Fuels
CCSS.ELA-LITERACY.SL.4.2 Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally. CCSS.ELA-LITERACY.RI.4.7 Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.	**Think & Do** Sortify: Natural Resources
CCSS.ELA-LITERACY.RI.4.7 Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.	**Think & Do** Worksheet: Fossil Fuels
CCSS.ELA-LITERACY.SL.4.2 Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally. CCSS.ELA-LITERACY.SL.4.5	**Think & Do** Make-a-Movie: Conserving Energy

Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes. CCSS.ELA-LITERACY.W.4.4 Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.	
CCSS.ELA-LITERACY.RI.4.2 Determine the main idea of a text and explain how it is supported by key details; summarize the text.	**Assess** Quiz: Natural Resources Quiz: Fossil Fuels Quiz: Conserving Energy

NGSS

Science and Engineering Practices: 3-5

- ***Constructing Explanations***
  - Use evidence (e.g., measurements, observations, patterns) to construct or support an explanation or design a solution to a problem.
- ***Obtaining, Evaluating, and Communicating Information***
  - 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

ESS3.A: Natural Resources	Energy and fuels that humans use are derived from natural sources, and their use affects the environment in multiple ways. Some resources are renewable over time, and others are not.

Crosscutting Concepts: 3-5

- ***Cause and Effect***
  - Cause and effect relationships are routinely identified, tested, and used to explain change.