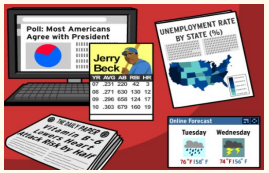
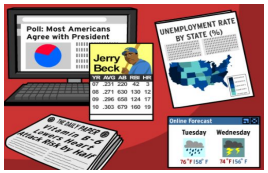
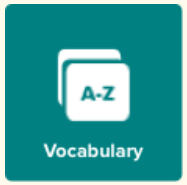
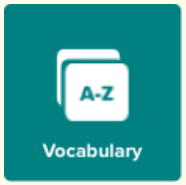
Pacing Guide: **Statistics**

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

BrainPOP Topics: (1) **Mean, Median, Mode, and Range** (2) **Statistics**

	DAY 1 - 30 Min	**DAY 2** - 30 min	**DAY 3** - 30 min	**DAY 4** - 40 min	**Day 5** - 40 min
Build Background Watch the movie, pausing to reflect on content.	 Watch Movie: Mean, Median, Mode, and Range	 Re-watch Movie: Mean, Median, Mode, and Range	 Watch Movie: Statistics	 Re-watch Movie: Statistics	Re-watch Movies (optional): Mean, Median, Mode, and Range Statistics
Think & Do Engage with a grade-level appropriate feature or tool.	 Vocabulary Development: Mean, Median, Mode, and Range	 Apply Knowledge: Mean, Median, Mode, and Range	 Vocabulary Development: Statistics	 Apply Knowledge: How are statistics used in advertising? View rubric.	 Apply Knowledge: Statistics

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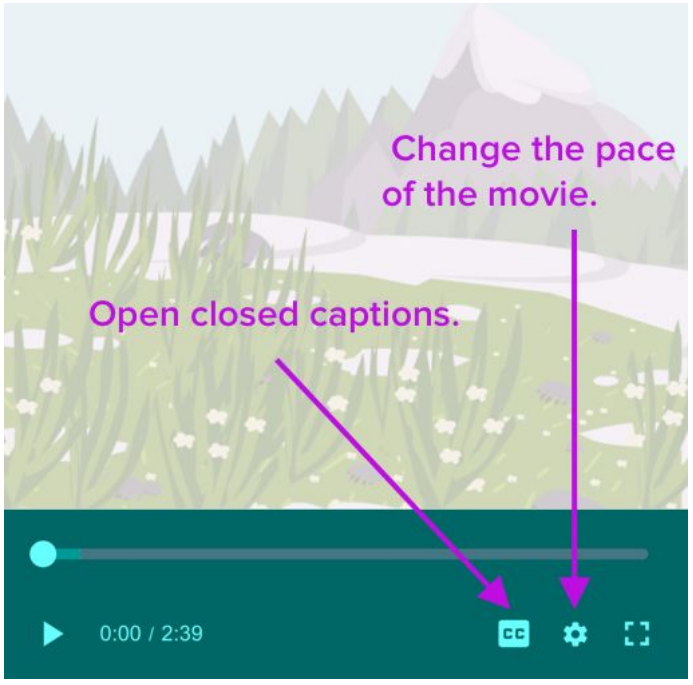
Assess Take a topic quiz and review your score.		Quiz Test Yourself: Mean, Median, Mode, and Range		Quiz Test Yourself: Statistics	Make-a-Movie Test Yourself: How can statistics be misleading in advertising? View rubric.

Movie Viewing Tips



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CCSS

Standard	Activity
CCSS.MATH.CONTENT.6.SP.A.2 Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape. CCSS.MATH.CONTENT.6.SP.A.3 Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number. CCSS.MATH.CONTENT.6.SP.B.5 Summarize numerical data sets in relation to their context, such as by: CCSS.MATH.CONTENT.6.SP.B.5.B Describing the nature of the attribute under investigation, including how it was measured and its units of measurement. CCSS.MATH.CONTENT.6.SP.B.5.C Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.	**Build Background** Watch and discuss movies: Mean, Median, Mode, and Range Statistics **Think & Do** Sortify: Mean, Median, Mode, and Range Make a Map: Statistics Related Reading: Statistics
CCSS.ELA-LITERACY.L.6.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 6 reading and content, choosing flexibly from a range of strategies. CCSS.ELA-LITERACY.RST.6-8.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to *grades 6-8 texts and topics*.	**Think & Do** Vocabulary: Mean, Median, Mode, and Range Vocabulary: Statistics

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CCSS.ELA-LITERACY.SL.6.2 Interpret information presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how it contributes to a topic, text, or issue under study. CCSS.ELA-LITERACY.SL.6.5 Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information. CCSS.ELA-LITERACY.W.6.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	**Think & Do** Make-a-Map: Statistics
CCSS.ELA-LITERACY.RI.6.2 Determine a central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.	**Assess** Quiz: Mean, Median, Mode, and Range Quiz: Statistics Make-a-Movie: Statistics

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