**Using BrainPOP to Prepare for the STAAR Test**

The following samples for grades 4, 5, and 7 illustrate ways to help students prepare for the STAAR test using BrainPOP's resources and tools.

# Grade 4 Writing Example

| TEKS Curriculum Standards | BrainPOP Topic | BrainPOP Activities |
|---|---|---|
| (11) **Composition: listening, speaking, reading, writing, and thinking using multiple texts—writing process.** The student uses the writing process recursively to compose multiple texts that are legible and uses appropriate conventions. The student is expected to: <br> (B) develop drafts into a focused, structured, and coherent piece of writing by: <br> (i) organizing with purposeful structure, including an introduction, transitions, and a conclusion. <br> (ii) developing an engaging idea with relevant details. | Five-Paragraph Essay <br><br> **Additional BrainPOP Topics:** <br> Writing Process <br> Research <br> Prewriting: Organizing Your Thoughts <br> Types of Writing <br> Writing in Sequence | **Build Background**: Movie, Related Reading <br><br> **Apply Understanding**: Graphic Organizer <br> Outline a five-paragraph essay, including an introduction with a thesis statement, topic sentences to start each body paragraph, and a conclusion. <br><br> **Assess:** Quiz |

# Grade 5 Reading Example

| TEKS Curriculum Standards | BrainPOP Topic | BrainPOP Activities |
|---|---|---|
| **(9) Multiple genres: listening, speaking, reading, writing, and thinking using multiple texts—genres.** <br> The student recognizes and analyzes genre-specific characteristics, structures, and purposes within and across increasingly complex traditional, contemporary, classical, and diverse texts. The student is expected to: <br>     (A) demonstrate knowledge of distinguishing characteristics of well-known children's literature such as folktales, fables, legends, myths, and tall tales. | Literary Genres <br><br> **Additional BrainPOP Topics:** <br> Types of Writing <br> Plot <br> Theme <br> Drama | **Build Background**: Movie; Primary Source <br><br> **Apply Understanding**: Make a Concept Map <br> Identify literary genres and connect each to its specific characteristics. <br><br> **Assess**: Quiz |
| **(6) Comprehension skills: listening, speaking, reading, writing, and thinking using multiple texts.** <br> The student uses metacognitive skills to both develop and deepen comprehension of increasingly complex texts. The student is expected to: <br>     (E) make connections to personal experiences, ideas in other texts, and society. <br>     (F) make inferences and use evidence to support understanding. | For any BrainPOP topic, use these resources to practice comprehension skills outlined in this TEKS standards: <br><br> **Related Reading:** Develops comprehension skills with high interest, informational texts that delve deeper into each topic and encourage students to practice key reading strategies. <br><br> **Make-a-Map**: Connect concepts to personal experiences. <br><br> **Meaning of Beep**: Figure out the meaning of words and concepts from this context clues game using inference. | |

# Grade 7 Math - Geometry Example

| TEKS Curriculum Standards | BrainPOP Topic | BrainPOP Activities |
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| **(7.9) Expressions, equations, and relationships**. The student applies mathematical process standards to solve geometric problems. The student is expected to:<br>    (A) solve problems involving the volume of rectangular prisms, triangular prisms, rectangular pyramids, and triangular pyramids; Readiness Standard | **(A) Volume of Prisms** | **Build Background**: Movie, Related Reading<br><br>**Apply Understanding**: Make-a-Movie<br>Explain the relationship between a prism's volume and length of its base.<br><br>**Assess**: Challenge, Quiz |
| (B) determine the circumference and area of circles; Readiness Standard | **(B) Circles** | **Build Background**: Movie, Related Reading<br><br>**Apply Understanding**: Make-a-Movie<br>Explain the relationship between the radius and diameter of a circle.<br><br>**Assess**: Challenge, Quiz |
| (C) determine the area of composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles; and Readiness Standard | **(C) Area of Polygons** | **Build Background**: Movie, Related Reading<br><br>**Apply Understanding**: Sortify: Similar Figures<br>Play a game categorizing shapes by size, scale, or other geometric traits. |

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|---|---|---|
| | | **Assess**: Quiz |
| (D) solve problems involving the lateral and total surface area of a rectangular prism, rectangular pyramid, triangular prism, and triangular pyramid by determining the area of the shape's net. Supporting Standard | **(D) Surface Area** | **Build Background**:  Movie, Related Reading<br><br>**Apply Understanding** Graphic Organizer<br>Explain how to calculate surface area of each pictured object. Find real examples and calculate their surface areas.<br><br>Worksheet: Calculate the surface area of a dollhouse.<br><br>**Assess**: Quiz |