

BrainPOP + Orange USD EnVision Math Alignments: Grades K-2



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**Kindergarten
Trimester Three
Topic 12: Measurement**

Standard	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topics
K.MD.A.1	<p>BUILD KNOWLEDGE Nonstandard Measurement</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Draw About It Measure the width of a table without a ruler. Draw the object you used to measure, and how you measured it.</p>	What are some different ways you could measure a full water bottle?	<p>Inches and Feet</p> <p>Centimeters, Meters, Kilometers</p>

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Topic 13: Sorting, Classifying, Counting, and Categorizing Data

Standard	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topic
<p>K.MD.B.3</p>	<p>BUILD KNOWLEDGE Pictographs</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Draw About It Create a pictograph sorting Moby's friends' birthdays by month.</p>	<p>Take a survey about the colors your class is wearing today. How many people wore each color?</p>	<p>Tally Charts and Bar Graphs</p>

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Topic 14: Identifying and Describing Shapes

Standards	BrainPOP Jr. Activities	Conversation Starters	Additional BrainPOP Jr Topics
K.G.A.1	<p>BUILD KNOWLEDGE Plane Shapes</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Draw About It Draw three different types of triangles.</p>	<p>Think of a shape, but don't say it. Give clues about its attributes and challenge a partner to guess your shape.</p>	<p>Polygons</p> <p>Quadrilaterals</p>
K.G.A.3 K.G.B.5	<p>BUILD KNOWLEDGE Solid Shapes</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Draw About It Draw objects that are shaped like spheres.</p>	<p>Go on a shape scavenger hunt. Identify the shapes you find as flat or solid, and how you know.</p>	<p>Plane Shapes</p>

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Topic 15: Position and Location of Shapes

Standard	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topics
<p>K.G.A.1</p>	<p>BUILD KNOWLEDGE Quadrilaterals</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Draw About It Draw an object that’s shaped like a quadrilateral.</p>	<p>Find an object in your classroom that has a quadrilateral shape. Without naming it, give a classmate clues about where the object is and challenge them to guess what it is.</p>	<p>Polygons</p> <p>Plane Shapes</p>

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Topic 16: Analyzing, Comparing, and Composing Shapes

Standards	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topic
<p>K.G.B.4 K.G.B.6</p>	<p>BUILD KNOWLEDGE Polygons</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Draw About It Draw four objects you see around you that are polygons.</p>	<p>What are some different ways you can combine squares and triangles to make new shapes?</p>	<p>Congruent and Similar Shapes</p>

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**Grade 1
Trimester Three**

Topic 11: Subtracting with Tens and Ones

Standards	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topics
<p>1.NBT.C.5 1.NBT.C.6</p>	<p>BUILD KNOWLEDGE Adding and Subtracting Tens</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Solve a Problem Add the lengths of each pictured path to determine which is longer.</p>	<p>Say a number between 10 and 89. Challenge a classmate to find ten less than your number.</p>	<p>Making Ten</p> <p>Adding with Regrouping</p>

Topic 12: Length

Standards	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topics
<p>1.MD.A.1 1.MD.A.2</p>	<p>BUILD KNOWLEDGE Nonstandard Measurement</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Make a Concept Map Use a small object, like a paper clip or an eraser, to measure three different writing tools. Identify the length of each, and note the longest and shortest object.</p>	<p>What are the steps for measuring something’s length? What might happen if you skip a step?</p>	<p>Inches and Feet</p> <p>Centimeters, Meters, Kilometers</p>

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Topic 13: Time

Standard	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topics
<p>1.MD.B.3</p>	<p>BUILD KNOWLEDGE Time to the Hour</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Draw About It Tell the Time Draw the hands on the clock to show the time. Then, write a sentence to tell what happened.</p>	<p>How can the shape of an analog clock help you to tell where the hands are at 12:30?</p>	<p>Parts of a Clock</p> <p>Time to the Quarter and Half Hour</p>

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Topic 14: Using Data to Answer Questions

Standard	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topic
<p>1.MD.C.4</p>	<p>BUILD KNOWLEDGE Tally Charts and Bar Graphs</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Create a Bar Graph Take a survey of your classmates. Use a tally chart to make a bar graph to show your data.</p>	<p>How can a graph help you understand data?</p>	<p>Pictographs</p>

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Topic 15: Geometry

Standards	BrainPOP Jr. Activities	Conversation Starters	Additional BrainPOP Jr Topics
<p>1.G.A.1</p>	<p>BUILD KNOWLEDGE Plane Shapes</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Draw About It Draw three different triangles.</p>	<p>How can you tell if two shapes are both rectangles?</p>	<p>Polygons</p> <p>Quadrilaterals</p>
<p>1.G.A.2</p>	<p>BUILD KNOWLEDGE Solid Shapes</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Make a Concept Map Identify different solid shapes you can use to create the shape of an ice cream</p>	<p>Go on a scavenger hunt for objects with parts that are rectangular prisms. Share what you find with a classmate.</p>	<p>Plane Shapes</p>

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Topic 16: Fractions of Shapes

Standard	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topic
1.G.A.3	<p>BUILD KNOWLEDGE Basic Parts of a Whole</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Talk About It Write the fraction that shows one part of the whole.</p>	Would you get a bigger piece of pizza if you shared it evenly with four friends, or with eight friends? Why?	More Fractions

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**Grade 2
Trimester Three
Topic 12: Geometry**

Standards	BrainPOP Jr. Activities	Conversation Starters	Additional BrainPOP Jr Topics
<p>2.G.A.1</p>	<p>BUILD KNOWLEDGE Plane Shapes</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Make a Concept Map Identify examples of plane shapes and organize them based on the number of angles each has.</p>	<p>Describe an object you see using only descriptions of its shapes. Challenge a classmate to guess your object.</p>	<p>Polygons</p> <p>Quadrilaterals</p>
<p>2.G.A.2</p>	<p>BUILD KNOWLEDGE Area</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND</p>	<p>Why is it important to break shapes into equal square units to find the area?</p>	<p>Arrays</p>

	<p>Talk About It Explain how to find the area of each pictured shape.</p>		
<p>2.G.A.3</p>	<p>BUILD KNOWLEDGE Basic Parts of a Whole</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Talk About It Write the fraction that shows one part of the whole.</p>	<p>How is the size and shape of half of a circular pizza pie similar to one half of a rectangular tray of brownies? How do they differ?</p>	<p>More Fractions</p>

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Topic 13: Counting Money

Standard	BrainPOP Jr. Activities	Conversation Starter	Additional BrainPOP Jr Topics
<p>2.MD.C.8</p>	<p>BUILD KNOWLEDGE Equivalent Coins</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Talk About It Write different coin combinations that add up to 99 cents.</p>	<p>Brainstorm different ways you can show 75 cents.</p>	<p>Counting Coins</p> <p>Dollars and Cents</p>

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Topic 14: Money

Standards	BrainPOP Jr. Activities	Conversation Starters	Additional BrainPOP Jr Topics
<p>2.MD.C.8 2.NBT.B.5 2.NBT.B.9</p>	<p>BUILD KNOWLEDGE Making Change Under a Dollar</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Solve the Problems Write equations and draw pictures to solve word problems.</p>	<p>What operations do you need to use to solve problems about making change?</p>	<p>Counting Coins</p> <p>Dollars and Cents</p>
<p>2.NBT.B.7.1</p>	<p>BUILD KNOWLEDGE Rounding</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Write About It Write a story problem where Moby needs to estimate. Challenge a classmate to solve it.</p>	<p>When is rounding useful? When would it be better to use an exact number?</p>	<p>Place Value</p>

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Topic 15: Measuring Lengths

Standards	BrainPOP Jr. Activities	Conversation Starters	Additional BrainPOP Jr Topics
<p>2.MD.A.1 2.MD.A.2 2.MD.A.3</p>	<p>BUILD KNOWLEDGE Inches and Feet</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Talk About It Measure the width of your desk or table with different tools. Compare your measurements.</p>	<p>Brainstorm objects that are about an inch or a foot long. How can you use these objects to estimate?</p>	<p>Nonstandard Measurement</p> <p>Centimeters, Meters, and Kilometers</p>
<p>2.MD.A.4 2.MD.B.5</p>	<p>BUILD KNOWLEDGE Centimeters, Meters, and Kilometers</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p>	<p>How can you use subtraction strategies to solve problems about length?</p>	<p>Inches and Feet</p>

	<p>DEEPEN and EXTEND Make a Concept Map Measure to identify the length and width of your desk in centimeters. Then, sequence the steps to determine how much longer the length is than the width.</p>		
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Topic 16: Time, Graphs, and Data

Standards	BrainPOP Jr. Activities	Conversation Starters	Additional BrainPOP Jr Topics
<p>2.MD.C.7</p>	<p>BUILD KNOWLEDGE Time to the Minute</p> <p>APPLY and ASSESS Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Talk About It Write the missing numbers on the clock, and identify the times.</p>	<p>How does skip counting by fives help you tell time?</p>	<p>Time to the Hour</p> <p>Time to the Quarter and Half Hour</p>
<p>2.MD.D.10</p>	<p>BUILD KNOWLEDGE Tally Charts and Bar Graphs</p> <p>APPLY and ASSESS</p>	<p>When might you use different types of graphs, like bar graphs, pictographs, and dot plots, to show data?</p>	<p>Pictographs</p>

	<p>Quiz Check content knowledge and essential literacy skills with an auto-graded assessment.</p> <p>DEEPEN and EXTEND Create a Bar Graph Take a survey of your classmates. Use a tally chart and make a bar graph to show your data.</p>		
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