

Mathematics

K-2

Standards vary by grade level, so each is listed

LEARNING LAB:

			Animals in Action	Camouflaging Critters	Happenin' Habitats	Icy Adaptations
Kindergarten	Counting and Cardinality K.CC	#4 Understand the relationship between numbers and quantities; connect counting to cardinality.	X			
		#5 Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1–20, count out that many objects.	X			
	Measurement and Data K.MD	#2 Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference.				X
1st	Measurement and Data 1.MD	#1 Order three objects by length; compare the lengths of two objects indirectly by using a third object.	X			
		#4 Order three objects by length; compare the lengths of two objects indirectly by using a third object.				X
2nd	Measurement and Data 2.MD	#1 Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.	X			

Mathematics

3-5

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LEARNING LAB:

			Amazon Survival	Fish Files	Reef Relationships	Whale Adventures
3rd	Measurement and Data 3.MD	#1 Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.		X		
4th	Measurement and Data 4.MD	#2 Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.		X		X
5th	-	-				

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6-8

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LEARNING LAB:

			GL: Puzzling Populations	Lakeshore Biology	Sea Otter Survival	Squid Dissection
6th	Ratios and Proportional Relationships 6.RP	#3 Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.			X	
	Expressions and Equations 6.EE	#6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set.			X	
	Geometry 6.G	#1 Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.			X	
7th	Ratios and Proportional Relationships 7.RP	#3 Use proportional relationships to solve multistep ratio and percent problems.			X	
	Expressions and Equations 7.EE	#4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.			X	
	Geometry 7.G	#6 Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.			X	
8th	Geometry 8.G	#9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.			X	

Mathematics

9-12

LEARNING LAB:

High school math is grouped together, not separated by grade level

			Fish Dissection	GL: Testing the Waters	Lakeshore Biology	Mission Marine
High Schol	Interpreting Categorical and Quantitative Data S-ID	#1 Represent data with plots on the real number line (dot plots, histograms, and box plots).	X			