



Alignment to the Massachusetts Curriculum Framework for Mathematics

The following references are examples of components and teaching in The InvestiGator Club® Prekindergarten Learning System that align to the Massachusetts Curriculum Framework for Mathematics, including Common Core State Standards, released in 2011. The correlation is intended to illustrate the system's approach to these standards, not the comprehensiveness of the program.

Counting and Cardinality

Know number names and the counting sequence.	
MA.1. Listen to and say the names of numbers in meaningful contexts.	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Magnetic Math Board Magnetic Foam Numbers Magnetic Counting Strips Investigation Flapboards and Flap Fillers Finny, Feathery, Furry Friends Learning Center Card: "How Many Dogs?"	Under Construction TG p. 64 Math: The Number 1 TG p. 69 Math: One Truck TG p. 124 Math: The Number 2 Healthy You TG p. 64 Math: The Number 3 TG p. 69 Math: Hide and Seek TG p. 84 Math: The Number 4 Finny, Feathery, Furry Friends TG p. 42 Learning Centers: How Many Dogs? TG p. 124 Math: The Number 0 Splash and Dig TG p. 64 Math: The Number 6 TG p. 124 Math: The Number 7 Watch It Grow TG p. 64 Math: The Number 8 TG p. 124 Math: The Number 9 Weather Watchers TG pp. 86–87 Whole Group: Math TG p. 124 Math: The Numbers 0 to 10

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MA.2. Recognize and name written numerals 0–10.	
The InvestiGator Club® Componen	The InvestiGator Club® Teacher Guide (TG)
Magnetic Math Board Magnetic Foam Numbers Magnetic Foam Strips Investigation Flapboards and Flap Fillers Finny, Feathery, Furry Friends Learning Center Card: "How Many Dogs?"	Under Construction TG p. 64 Math: The Number 1 TG p. 69 Math: One Truck TG p. 124 Math: The Number 2 Healthy You TG p. 42 Learning Centers: Doughy Numbers TG p. 64 Math: The Number 3 TG p. 69 Math: Hide and Seek TG p. 84 Math: The Number 4 Finny, Feathery, Furry Friends TG p. 42 Learning Centers: How Many Dogs? TG p. 105 Math: Reread a Math Story Splash and Dig TG p. 84 Math: We Dig 6 TG p. 128 Math: Bounce and Count Watch It Grow TG p. 64 Math: The Number 8 TG pp. 90–91 Closing Circle Time: Shared Writing TG p. 124 Math: The Number 9 TG p. 128 Math: Scavenger Hunt Weather Watchers TG p. 42 Learning Centers: How Much Do They Cost? TG p. 64 Math: The Number 10 TG pp. 90–91 Closing Circle Time: Shared Writing

Count to tell the number of objects.	
MA.3. Understand the relationships between numerals and quantities up to ten.	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Magnetic Math Board Magnetic Foam Numbers Magnetic Counting Strips Investigation Flapboards and Flap Fillers Finny, Feathery, Furry Friends Learning Center Card: "How Many Dogs?"	Let's Investigate! TG p. 69 Math: All Sorts of Colors TG pp. 136–137 Whole Group: Readiness: Time TG p. 227 Math: Knock Again Under Construction TG p. 69 Math: One Truck Healthy You TG p. 69 Math: Hide and Seek TG p. 108 Math: Manny May I? Finny, Feathery, Furry Friends TG p. 42 Learning Centers: How Many Dogs? TG p. 105 Math: Reread a Math Story Splash and Dig TG p. 128 Math: Bounce and Count Watch It Grow TG p. 64 Math: The Number 8 TG p. 124 Math: The Number 9

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Compare numbers.	
MA.4. Count many kinds of concrete objects and actions up to ten, using one-to-one correspondence, and accurately count as many as seven things in a scattered configuration.	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Magnetic Math Board Magnetic Foam Numbers Magnetic Counting Strips Trade Book: <i>One-Dog Canoe</i> Investigation Flapboards and Flap Fillers	Let's Investigate! TG p. 69 Math: All Sorts of Colors TG pp. 136–137 Whole Group: Readiness: Time TG p. 227 Math: Knock Again Under Construction TG p. 69 Math: One Truck Healthy You TG p. 69 Math: Hide and Seek TG p. 108 Math: Manny May I? Finny, Feathery, Furry Friends TG p. 105 Math: Reread a Math Story Splash and Dig TG p. 42 Learning Centers: Fish Ponds TG pp. 86–87 Whole Group: Math TG p. 89 Math: Reread <i>One-Dog Canoe</i> TG pp. 102–103 Small Group: Math Watch It Grow TG p. 96–97 Opening Circle Time: Oral Language TG p. 124 Math: The Number 9 Weather Watchers TG p. 42 Learning Centers: How Much Do They Cost? TG pp. 102–103 Small Group: Math TG p. 105 Literacy: Reread "Count With Me" TG p. 108 Math: Puzzlers

MA.5. Use comparative language, such as <i>more/less than</i> , <i>equal to</i> , to compare and describe collections of objects.	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Trade Book: <i>More, Fewer, Less</i> Investigation Flapboards and Flap Fillers Under Construction Learning Center Card: "Build a Pattern"	Let's Investigate! TG p. 156 Math: More or Less TG p. 161 Math: A Living Graph Healthy You TG p. 69 Math: Hide and Seek TG pp. 86–87 Small Group: Math TG p. 89 Literacy: Reread a Math Story TG p. 133 Math: More or Less? Watch It Grow TG p. 69 Math: Bigger than a Tree? Weather Watchers TG p. 128 Math: 0 to 10 Floor Graph

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Operations and Algebraic Thinking

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	
MA.1. Use concrete objects to model real-world addition (putting together) and subtraction (taking away) problems up through five.	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Magnetic Math Board Magnetic Foam Numbers Magnetic Foam Strips Trade Book: <i>One Dog Canoe</i> Investigation Flapboards and Flap Fillers	Healthy You TG p. 69 Math: Hide and Seek TG pp. 86–87 Whole Group: Math TG p. 89 Art: More or Fewer TG p. 133 Math: More or Less? Finny, Feathery, Furry Friends TG pp. 102–103 Small Group: Math Splash and Dig TG p. 89 Math: Reread <i>One Dog Canoe</i> TG p. 124 Math: The Number 7 Weather Watchers TG pp. 102–103 Small Group: Math TG p. 105 Literacy: Reread "Count with Me" TG p. 108 Math: Puzzlers

Measurement and Data

Describe and compare measurable attributes.	
MA.1. Recognize the attributes of length, area, weight, and capacity of everyday objects using appropriate vocabulary (e.g., <i>long, short, tall, heavy, light, big, small, wide, narrow</i>).	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Bruno's Buzz Nonfiction Reader: <i>Build a Doghouse!</i> Oral Language Card 37 Investigation Flapboards and Flap Fillers Watch It Grow Center Card: "Produce Stand"	Let's Investigate! TG p. 156 Math: More or Less TG p. 161 Math: A Living Graph TG p. 183 Math: Cut to Size TG p. 205 Math: Long and Short Worms Watch It Grow TG p. 49 Learning Centers: Produce Stand TG pp. 54–55 Investigation: Investigation Station TG p. 69 Math: Bigger Than a Tree? TG p. 108 Math: Measuring Sunflowers TG p. 133 Math: How Far Is It?

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MA.2. Compare the attributes of length and weight for two objects, including longer/shorter, same length; heavier/lighter, same weight; holds more/less, holds the same amount.	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Bruno's Buzz Nonfiction Reader: <i>Build a Doghouse!</i> Oral Language Card 37 Investigation Flapboards and Flap Fillers Watch It Grow Center Card: "Produce Stand"	Let's Investigate! TG p. 156 Math: More or Less TG p. 161 Math: A Living Graph TG p. 183 Math: Cut to Size TG p. 205 Math: Long and Short Worms Healthy You TG p. 69 Math: Hide and Seek TG pp. 86–87 Small Group: Math TG p. 89 Literacy: Reread a Math Story TG p. 133 Math: More or Less? Watch It Grow TG p. 69 Math: Bigger Than a Tree? TG p. 108 Math: Measuring Sunflowers TG p. 133 Math: How Far Is It? Weather Watchers TG p. 128 Math: 0 to 10 Floor Graph

Classify objects and count the number of objects in each category.	
MA.3. Sort, categorize, and classify objects by more than one attribute.	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Trade Book: <i>Pretend You're a Cat</i> Bruno's Buzz Nonfiction Reader: <i>The Fish Tank</i> Investigation Flapboards and Flap Fillers Learning Center Cards	Let's Investigate! TG p. 178 Math: From Small to Large TG p. 200 Math: Long and Short Finny, Feathery, Furry Friends TG p. 69 Math: Color, Size, Shape Watch It Grow TG p. 42 Learning Centers: Sorting Seeds TG pp. 86–87 Whole Group: Math TG p. 89 Art: Seed Picture Frames TG pp. 102–103 Small Group: Math TG p. 104 Science: Where Does It Go? TG p. 124 Math: The Number 9

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Work with money.	
MA.4. Recognize that certain objects are coins and that dollars and coins represent money.	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Watch It Grow Learning Center Card: "Produce Stand"	Under Construction TG p. 49 Learning Centers: Hardware Store Healthy You TG p. 49 Learning Centers: Grocery Store Watch It Grow TG p. 49 Learning Centers: Produce Stand TG p. 120 Everyday Literacy: Going Shopping Weather Watchers TG p. 42 Learning Centers: How Much Do They Cost?

Geometry

Identify and describe shapes (squares, circles, triangles, rectangles).	
MA.1. Identify relative positions of objects in space, and use appropriate language (e.g., <i>beside</i> , <i>inside</i> , <i>next to</i> , <i>close to</i> , <i>above</i> , <i>below</i> , <i>apart</i>).	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
	Let's Investigate! TG p. 90 Readiness: JT's Near or Far TG p. 156 Readiness: Left and Right TG pp. 158–159 Whole Group: Readiness: Left and Right TG p. 178 Readiness: Opposites TG pp. 180–181 Whole Group: Readiness: Direction and Position

MA.2. Identify various two-dimensional shapes using appropriate language.	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Trade Book: <i>The Shape of Things</i> Investigation Flapboards and Flap Fillers Under Construction Learning Center Card: "Build a Pattern"	Let's Investigate! TG p. 222 Readiness: Basic Shapes Under Construction TG p. 42 Learning Centers: Build a Pattern Healthy You TG p. 42 Learning Centers: Geoboards TG p. 109 Art: Shape People TG p. 112 Math: Shape Walk Finny, Feathery, Furry Friends TG p. 69 Math: Color, Size, Shape Splash and Dig TG p. 42 Learning Centers: Puzzle Builders TG p. 69 Math: Seaworthy Shapes Weather Watchers TG p. 42 Learning Centers: Can You Make This? TG p. 69 Math: Snowy Shapes

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Analyze, compare, create, and compose shapes.	
MA.3. Create and represent three-dimensional shapes (ball/sphere, square box/cube, tube/cylinder) using various manipulative materials (such as popsicle sticks, blocks, pipe cleaners, pattern blocks).	
The InvestiGator Club® Components	The InvestiGator Club® Teacher Guide (TG)
Trade Book: <i>The Shape of Things</i> Investigation Flapboards and Flap Fillers Under Construction Learning Center Card: "Build a Pattern"	Let's Investigate! TG pp. 224–225 Whole Group: Readiness: Investigating Shapes Under Construction TG pp. 86–87 Small Group: Math TG p. 89 Art: Shapely Homes Splash and Dig TG p. 69 Math: Seaworthy Shapes TG p. 108 Math: Connecting Blocks Weather Watchers TG p. 45 Learning Centers: Weather Collage