

Everyday Mathematics and the Indiana Academic Standards for Kindergarten Mathematics

IU-IMI Articulation of Everyday Mathematics to Indiana Academic Standards for Mathematics

The Indiana Academic Standards to Mathematics (found at <http://www.k12.in.us/standards/>) have been listed with the lessons in *Everyday Mathematics* where the standard would consider to be taught so as to be mastered. The standards appear in many other lessons both preceding and following where they are listed. It is **IMPERATIVE** that all lessons in *Everyday Mathematics* be taught, since the foundation and review in the spiral is necessary for the standard to be understood in depth by the student.

NOTE: It is critical that children participate in **all** CORE *Everyday Mathematics* Kindergarten Activities. The text of the Indiana Academic Standard is shown in the table only the first time it is taught. All standards are repeated during the school year. All CORE activities (marked with *) are developing concepts for subsequent grades.



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Everyday Mathematics and the Indiana Academic Standards for Kindergarten Mathematics

	Everyday Math Activities	Indiana Academic Standards for Mathematics	Other Indiana Standards
*	Number of the Day and Growing Number Line Routine	Number Sense K.1.6, K.1.9	Count, recognize, represent, name, and order a number of objects (up to 10). Science K.2.1 Use whole numbers, up to 10, in counting, identifying, sorting, and describing objects and experiences. Science K.2.2 Draw pictures and write words to describe objects and experiences.
*	Partner Match	Measurement K.5.1	Make direct comparisons of the length, capacity, weight, and temperature of objects and recognize which object is shorter, longer, taller, lighter, heavier, warmer, cooler, or holds more.
*	Measuring Heights of Children	Measurement 1.5.2	
	Building and Measuring in the Block Corner	Measurement K.5.1	
*	Coins in the Classroom	Measurement	
*	Pattern Blocks	Geometry	
*	Cleanup Count Routine	Number Sense K.1.6, K.1.9	
*	Job Chart Routine	Number Sense K.1.6	
	Simon Says	Number Sense K.1.1	Match sets of objects one-to-one.
	Listen and Count	Number Sense K.1.1	
*	Eating to Zero	Number Sense K.1.7	Find the number that is one more than or one less than any whole number up to 10.
*	Number Board (0-10)	Number Sense K.1.6	
*	Weather Observation Routine	Number Sense K.1.9	Record and organize information using objects and pictures.
	"This Old Man"	Number Sense K.1.6	
*	"Feely" Bag or Box	Number Sense K.1.6	
*	"Look and Find" (Numbers 1-10)	Number Sense K.1.2, K.1.6	Compare sets of up to 10 objects and identify whether one set is equal to, more than, or less than another.
	Egg-Carton Mathematics	Number Sense K.1.6	
*	Building the Monthly Calendar Routine	Number Sense K.1.6, K.5.2	
*	Age Change	Number Sense K.1.9	
*	Give the Next Number	Number Sense K.1.7	
*	Countdown	K.1.7	

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Sandpaper Numbers	Number Sense K.1.6		
Telephone Book	Number Sense		
No-Mess Finger Painting	Number Sense K.1.6		
Shapes by feel	Geometry K.4.1		
* Shape Designs	Geometry K.4.1		
* Using Straws to Make Geometric Shapes	Geometry K.4.1		
Patterns with Craft Sticks	Algebra and Functions K.3.2		
Patterns with Color	Algebra and Functions K.3.2		
Numbers in the Sand	Number Sense K.1.6		
Nibble Shapes	Geometry K.4.1		
Writing on Backs	Number Sense K.1.6		
Spin a Number (1-10)	Number Sense K.1.6		
* "Teen" Partner Game (10-20)	Number Sense		
* Monster Squeeze Game	Number Sense K.4.3		
Children Make Monster Squeeze Games	Number Sense K.4.3		
* Snacking Subtraction	Computation 1.2.6		
* Using the Cent Sign (¢) (Pennies)	Measurement K.1.6		
Concentration with Number Cards and Dominoes	Number Sense K.1.6		
* Number Stories throughout the Year	Computation K.1.8, K.2.3	Use correctly the words one/many, none/some/all, more/less, and most/least.	
* Body Measurements of Dinosaurs and Blue Whales	Measurement 1.5.1		
One More or One Less	Computation K.1.7, K.1.8, K.2.3		
Comparing Body Height to Objects	Measurement K.5.1		
Slow and Fast	Measurement K.5.2	Understand concepts of time: morning, afternoon, evening, today, yesterday, tomorrow, week, month, and year. Understand that clocks and calendars are tools that measure time.	Social Studies K.1.4 Identify and order events that take place in a sequence.
Beating out Time	Measurement K.5.2		
Beanbag Game	Measurement K.5.2		
* "What's My Rule?" Fishing	Algebra and Functions K.3.1		
* Birthday Bar Graph	Number Sense K.1.9		
* Class Patterning	Algebra and Functions K.3.2		

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*	Follow My Pattern	Algebra and Functions K.3.2	
*	Paper-Folding Geometry	Geometry K.4.1	
*	Find the Block	Geometry K.4.2	Compare and sort common objects by position, shape, size, roundness, and number of corners.
	Body Shapes	Geometry K.4.1	
*	Rope Shapes	Geometry K.4.1, K.4.2	
*	Number Books: Writing Numbers 0-10	Number Sense K.1.6	
	Number Cookies	Measurement K.1.6	
*	Slate-Writing Activities	Number Sense K.1.6, K.1.7	
	Listen and Do	Number Sense	
*	Interrupted Counts (0-50)	Number Sense	
	Counting Walks	Number Sense	
*	Meet the Calculator	Number Sense	
*	How Many?	Number Sense K.1.6	
*	Calculator Displays	Number Sense	
*	Counting with Calculators	Number Sense K.1.7	
*	Counting Shortcut	Number Sense K.1.7	
*	Counting on with Calculators	Number Sense K.1.7	
*	Count to 70 by 10s	Number Sense 2.2.1	
*	Joining Objects	Computation K.2.1	Model addition by joining sets of objects (for any two sets with fewer than 10 objects when joined).
*	How Long is a Minute?	Measurement K.5.2	
	Arranging Items by Length	Measurement K.5.1	
*	Measuring with Children's Feet	Measurement 1.5.1	
*	How Big is a Foot?	Measurement 1.5.1	
	Calculator Telephones	Number Sense	
*	Introduction to Skip Counting by 2s	Number Sense	
*	Introduction of the Dime	Measurement	
	Comparing Coins by Feel (Pennies, Dimes)	Measurement	
*	Introduction of the Nickel	Measurement	
*	Need for a Standard Measure of Length	Measurement	
*	Marking Off Lengths	Measurement	
*	Tools for Measuring Lengths	Measurement	
	Weaving on Cardboard Looms	Algebra and Functions	

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Weaving Belts or Headbands on Straws	Algebra and Functions	
* Following a Simple Map	Measurement	
Time to the Hour with a Timer	Measurement K.5.2	
Order-of-Daily-Events Art Project	Measurement K.5.2	
* Favorite Colors Graph	Number Sense K.1.9	
* Pattern-Block Puzzles	Geometry	
Stand, Squat, or Kneel Pattern	Algebra and Functions K.3.2	
How Many Ways for Three People to Line Up?	Algebra and Functions K.6.1	
Macaroni Necklaces	Algebra and Functions K.3.2	
* Read My Mind Game	Algebra and Functions K.3.1	
* Counting Pairs of Objects	Number Sense	
More or Less on a Rocker Balance	Measurement K.5.1	
* Classroom Playing Cards	Number Sense	
* Top-It	Number Sense K.1.3	Know that larger numbers describe sets with more objects in them than sets described by smaller numbers.
Are All Handfuls the Same?	Number Sense K.1.6	
* Exchange Pennies for Nickels and Dimes	Measurement	
* Interrupted Skip Counts (0-50)	Number Sense	
* Count Fingers by 5s	Number Sense	
* Reminder for Tally Marks	Number Sense	
Play Store	Measurement	
Portrait of Lincoln (Seasonal, around February)	Measurement	
* Introduction of the Quarter	Measurement	
Comparing Coins by Feel 2	Measurement	
* "B-I-N-G-O"	Algebra and Functions K.3.2	
* Pets Bar Graph	Number Sense K.1.9	
Three-Object Patterns	Algebra and Functions K.3.2	
Shoe Patterns	Algebra and Functions K.3.2	
* Counting Backward with Calculators	Number Sense K.1.7	
Hand-Weighing with Two Containers	Measurement K.5.1	
* Estimating Clock Time with the Hour Hand	Measurement	
* Make an Hour Hand Clock	Measurement	

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*	Coin Exchange (Money Cube Game 1)	Measurement	
	Printing Shapes	Geometry K.4.1	
*	Change-to-Less (Subtraction) Stories	Computation K.2.2, K.2.3	Model subtraction by removing objects from sets (for numbers less than 10).
*	Number Line Mathematics	Computation	
*	Divide Groups into Half Groups	Computation K.1.4	Divide sets of 10 or fewer objects into equal groups.
*	Pocket Game (Change to More, Change to Less)	Computation K.2.1, K.2.2, K.2.3	
*	Operator, Operator	Computation K.2.3	Describe addition and subtraction situations (for numbers less than 10).
	Which Weighs More, Dry or Wet?	Measurement K.5.1	
*	Skip Count with Calculators	Number Sense	
*	Ordinal Numbers: Standing in Line	Number Sense 1.1.6	
	Which Operation Do I Need?	Computation K.2.3	
*	Introduction to Collections of Number Names	Number Sense 1.2.3	
*	Name Collections with Objects	Number Sense K.1.1	
*	Preparation for 100 Day (Seasonal, well before the 100th day of School)	Number Sense	
*	Number Hunt and 100 Chart	Number Sense 1.1.1	
	Games on the 100 Chart	Number Sense	
*	Disappearing Train	Computation	
*	Comparing Shapes	Geometry K.4.2	
*	"I Spy"	Geometry K.4.1, K.4.2	
	Raft Game	Number Sense	
*	Number Grid	Number Sense 2.1.5	
*	Domino Name Collections	Computation K.2.1	
	Plus or Minus Game	Computation	
*	Class Storybook	Computation K.2.3	
*	Hidden Snack	Computation 1.2.2	
	Bead String Name Collections	Number Sense 1.2.3	
	Craft-Stick Name Collections	Computation 1.2.3	
	Making Pattern-Block Pictures	Geometry	
	Weight of Ice Cubes vs. Water	Measurement K.5.1	
*	Comparison of Volumes	Measurement K.5.1	
	Timed Coin Counts	Measurement	

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How Long Does It Take?	Measurement K.5.1	
* Measuring Volume	Measurement K.5.1	
Count Heartbeats	Measurement K.1.6, K.5.1	
Making Modeling Dough	Measurement K.1.6, K.4.1, K.5.1	
* How Did You Come to School?	Number Sense K.3.1	
Cracker Fractions	Computation K.1.5	Divide shapes into equal parts.
* Fraction Stories	Computation K.1.4	
* "What's My Rule?" Pairs of Numbers	Algebra and Functions K.6.2	
"What's My Rule?" Numbers in Sequence	Algebra and Functions	
"What's My Rule?" Numbers out of Sequence	Algebra and Functions	
"What's My Rule?" Large Numbers	Algebra and Functions	
Hour Hand, Minute Hand Story	Measurement	
Adding the Minute Hand to Paper Clocks	Measurement	
Practice Telling Time to Music	Measurement	
Matching Game: Analog and Digital Clocks	Measurement	
* Class Collection Project	Number Sense 1.1.1, 2.1.1, 2.1.12	
* Reading and Comparing Numbers	Number Sense	
* Introduction of the Dollar Bill	Measurement	
* One-Dollar Game	Measurement	
* Digits Game	Number Sense 1.1.1	
* Double-Digit Dice Game	Number Sense 1.1.1	
Shape Jigsaw Puzzles	Geometry K.4.1	
* Covering Shapes	Geometry K.4.1	
* Make and Bake Cookie Shapes	Geometry K.4.1	
Solid Shapes Museum (Ongoing Activity)	Geometry K.4.1	
"What's My Rule?" with Four-Sided Polygons	Geometry K.4.1, K.6.1	
Number Clues	Computation	
Dice Addition	Computation	
* "What Number Am I Thinking Of?"	Computation	
* How Many Hidden Objects?	Computation	
Introduction of the \$10 Bill	Measurement	
Changing \$1 Bills into \$10 Bills	Measurement	

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	Rocker Balance Name Collection	Computation 1.2.3	
*	Writing Numbers Greater than 100	Number Sense	
*	Say the Next Number (by 10s)	Number Sense	
	Place Value on Calculators	Number Sense	
	"We Live Here" Mural	Number Sense	
*	Noticing Numbers	Number Sense	
	Ascending and Descending Order	Number Sense	
	Craft-Stick Mathematics	Number Sense	
*	Say the Next Number (Counting Backward)	Number Sense	
	Paper Money Exchange Game (Money Cube Game 2)	Measurement	
	Keeping Score: Place Value	Measurement	
	Ones, Tens, Hundreds Game	Number Sense	
*	Graphing Sums of Dice Throws	Number Sense	
*	High Roller	Computation	
	Number Model Cards	Computation	
*	Preparation for 100 Day (Seasonal, well before the 100th day of School)	Number Sense	
*	Dismantling the Monthly Calendar	Number Sense	