

Idaho Extended Standards Draft
Extended Content Indicators
Kindergarten
Mathematics

Standard 1: Number and Operation- Students in Kindergarten demonstrate knowledge of our numeration system by counting forward by ones to at least 31. Students show the verbal, symbolic, and physical representations of a number up to 10.

Extended Standard 1: Students in Kindergarten demonstrate knowledge of our numeration system by a one to one correspondence and counting forward. Students show the verbal, symbolic, or physical representations of a number.

Topic	GR	Goals	Objectives	Essence	Extended Content Indicators
	K.M.1.1	Goal 1.1: Understand and use numbers.	K.M.1.1.1 Demonstrate knowledge of our numeration system by counting forward by ones to at least 31. (257.01.a)		K.M.1.1.1A Recognize symbolic expressions as numbers.
			K.M.1.1.2 Show the verbal, symbolic, and physical representations of a number up to 10. (257.01.b)		K.M.1.1.2A Demonstrate 1:1 correspondence
			K.M.1.1.3 Identify a penny as a value of money. (257.01.c)		K.M.1.1.3A Identify coins as money.
			K.M.1.1.4 Select strategies appropriate for solving a problem. (258.01.a)		K.M.1.1.4A Identify a problem that can be solved.
			K.M.1.1.5 Use appropriate vocabulary.		K.M.1.1.5A Attend to appropriate math vocabulary terms, i.e. more, less, next, first.

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Extended Standard 1: Students in Kindergarten demonstrate knowledge of our numeration system by a one to one correspondence and counting forward. Students show the verbal, symbolic, or physical representations of a number.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	K.M.1.2	Goal 1.2: Perform computations accurately.	K.M.1.2.1 Use concrete objects to illustrate the concepts of addition and subtraction. (257.02.a)		K.M.1.2.1A Demonstrate knowledge of the concept more or less.
			K.M.1.2.2 Use appropriate vocabulary. (257.02.b)		K.M.1.2.2A Attend to appropriate math vocabulary terms, ie. more, less

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Extended Standard 1: Students in Kindergarten demonstrate knowledge of our numeration system by a one to one correspondence and counting forward. Students show the verbal, symbolic, or physical representations of a number.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	K.M.1.3	Goal 1.3: Estimate and judge reasonableness of results.	K.M.1.3.1 Use estimation to identify a number of objects. (257.03.a)		K.M.1.3.1 A Match objects of corresponding size
			K.M.1.3.2 Use estimation to evaluate the reasonableness of an answer. (257.03.b)		K.M.1.3.2 A Attend to quantity or size of objects during estimation activities.
			K.M.1.3.3 Use appropriate vocabulary. (257.03.c)		K.M.1.3.3 A Attend to appropriate vocabulary.

Standard 2: Concepts and Principles of Measurement – Students in Kindergarten use appropriate vocabulary.

Extended Standard 2: Students respond to grade appropriate vocabulary related to concepts and principles of measurement.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	K.M.2.1	Goal 2.1: Understand and use U.S. customary and metric measurements.	K.M.2.1.1 Compare the lengths or sizes of objects (e.g., longer, shorter, larger, smaller).		K.M.2.1.1A Match sizes of objects (e.g., longer, shorter, larger, smaller).
			K.M.2.1.2 Estimate measurement using concrete objects. (259.01.b)		K.M.2.1.2A Estimate an attribute of an object.
			K.M.2.1.3 Name the day of the week and the day's date using a calendar.		K.M.2.1.3A Identify a calendar and how the days of the week are represented.
			K.M.2.1.4 Use appropriate vocabulary. (259.01.c)		K.M.2.1.4 A Attend to appropriate vocabulary.

Standard 2: Concepts and Principles of Measurement - Students in Kindergarten use appropriate vocabulary.

Extended Standard 2: Students respond to grade appropriate vocabulary related to concepts and principles of measurement.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	K.M.2.2	Goal 2.2: Apply the concepts of rates, ratios, and proportions.	No objectives at this grade level.		No objectives at this grade level.

Standard 2: Concepts and Principles of Measurement - Students in Kindergarten use appropriate vocabulary.

Extended Standard 2: Students respond to grade appropriate vocabulary related to concepts and principles of measurement.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.2 .3	Goal 2.3: Apply dimensional analysis.	No objectives at this grade level.		No objectives at this grade level.

Standard 3: Concepts and Language of Algebra and Functions - Students in Kindergarten compare sets of objects using the vocabulary words/phrases of less than, greater than, and same as. Students replicate and extend simple repeating patterns.

Extended Standard 3: Students in Kindergarten compare sets of objects to understand the words/phrases of less than, greater than, and same as. Students replicate simple repeating patterns.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	K.M.3.1	Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.	K.M.3.1.1 Use concrete objects to identify and show a solution to problems. (258.02.a)		K.M.3.1.1A Use concrete objects to symbolize a number or set.
			K.M.3.1.2 Compare sets of objects using vocabulary (less than, greater than, and same as). (260.01.a)		K.M.3.1.2A Use more or less to indicate wanting to increase or decrease a quantity.

Standard 3: Concepts and Language of Algebra and Functions - Students in Kindergarten compare sets of objects using the vocabulary words/phrases of less than, greater than, and same as. Students replicate and extend simple repeating patterns.

Extended Standard 3: Students in Kindergarten compare sets of objects to understand the words/phrases of less than, greater than, and same as. Students replicate simple repeating patterns.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.3.2	Goal 3.2: Evaluate algebraic expressions.	No objectives at this grade level.		No objectives at this grade level.

Standard 3: Concepts and Language of Algebra and Functions - Students in Kindergarten compare sets of objects using the vocabulary words/phrases of less than, greater than, and same as. Students replicate and extend simple repeating patterns.

Extended Standard 3: Students in Kindergarten compare sets of objects to understand the words/phrases of less than, greater than, and same as. Students replicate simple repeating patterns.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.3.3	Goal 3.3: Solve algebraic equations and inequalities.	No objectives at this grade level.		No objectives at this grade level.

Standard 3: Concepts and Language of Algebra and Functions - Students in Kindergarten compare sets of objects using the vocabulary words/phrases of less than, greater than, and same as. Students replicate and extend simple repeating patterns.

Extended Standard 3: Students in Kindergarten compare sets of objects to understand the words/phrases of less than, greater than, and same as. Students replicate simple repeating patterns.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.3.4	Goal 3.4: Understand the concept of functions.	K.M.3.4.1 Replicate and extend simple repeating patterns (e.g., ABAB). (263.01.a)		K.M.3.4.1 A Attend to a simple repeating pattern (e.g., red, blue, red, blue)
			K.M.3.4.2 Use appropriate vocabulary. (263.01.c)		K.M.3.4A.2 Attend to appropriate vocabulary, i.e. pattern, repeat.

Standard 3: Concepts and Language of Algebra and Functions Students in Kindergarten compare sets of objects using the vocabulary words/phrases of less than, greater than, and same as. Students replicate and extend simple repeating patterns.

Extended Standard 3: Students in Kindergarten compare sets of objects to understand the words/phrases of less than, greater than, and same as. Students replicate simple repeating patterns.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.3.5	Goal 3.5: Represent equations, inequalities and functions in a variety of formats.	No objectives at this grade level.		No objectives at this grade level.

Standard 3: Concepts and Language of Algebra and Functions - Students in Kindergarten compare sets of objects using the vocabulary words/phrases of less than, greater than, and same as. Students replicate and extend simple repeating patterns.

Extended Standard 3: Students in Kindergarten compare sets of objects to understand the words/phrases of less than, greater than, and same as. Students replicate simple repeating patterns.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.3.6	Goal 3.6: Apply functions to a variety of problems.	No objectives at this grade level.		No objectives at this grade level.

Standard 4: Concepts and Principles of Geometry - Students in Kindergarten recognize, name, compare, and sort the two- and three- dimensional shapes of triangles, squares, circles, cones, and cubes. Students apply appropriate vocabulary for position and size.

Extended Standard 4: Students in Kindergarten recognize, name, compare, or sort simple dimensional shapes, such as triangles, squares, circles. Students respond to appropriate vocabulary for position and size.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.4.1	Goal 4.1: Apply concepts of size, shape, and spatial relationships.	K.M.4.1.1 Recognize, name, compare, and sort two- and three- dimensional shapes (triangle, rectangle, square, circle, cone, cube). (261.01.a)		K.M.4.1.1.A Recognize simple dimensional shapes - triangle, square, circle
			K.M.4.1.2 Sort and classify objects.		K.M.4.1.2.A Sort or classify objects.
			K.M.4.1.3 Apply appropriate vocabulary. (261.01.d)		K.M.4.1.3 A Attend to appropriate vocabulary, i.e size and spatial relationship.

Standard 4: Concepts and Principles of Geometry - Students in Kindergarten recognize, name, compare, and sort the two- and three- dimensional shapes of triangles, squares, circles, cones, and cubes. Students apply appropriate vocabulary for position and size.

Extended Standard 4: Students in Kindergarten recognize, name, compare, or sort simple dimensional shapes, such as triangles, squares, circles. Students respond to appropriate vocabulary for position and size.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.4.2	Goal 4.2: Apply the geometry of right triangles.	No objectives at this grade level.		No objectives at this grade level.

Standard 4: Concepts and Principles of Geometry - Students in Kindergarten recognize, name, compare, and sort the two- and three- dimensional shapes of triangles, squares, circles, cones, and cubes. Students apply appropriate vocabulary for position and size.

Extended Standard 4: Students in Kindergarten recognize, name, compare, or sort simple dimensional shapes, such as triangles, squares, circles. Students respond to appropriate vocabulary for position and size.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.4.3	Goal 4.3: Apply graphing in two dimensions.	K.M.4.3.1 Describe the location of an object relative to another (e.g., next to, under, over, behind).		K.M.4.3.1.A Identify the location of an object relative to another (e.g., next to, under, over, behind).

Standard 5: Data Analysis, Probability, and Statistics - Students in Kindergarten interpret information from real object graphs and simple pictographs.

Extended Standard 5: Students in Kindergarten identify information about real object graphs and simple pictographs.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.5.1	Goal 5.1: Understand data analysis.	K.M.5.1.1 Interpret information from real object graphs and simple pictographs. (262.01.a)		K.M.5.1.1.A Identify information about real object graphs or simple pictographs.
			K.M.5.1.2 Use appropriate vocabulary. (262.01.b)		K.M.5.1.2 A Attend to appropriate vocabulary.

Standard 5: Data Analysis, Probability, and Statistics - Students in Kindergarten interpret information from real object graphs and simple pictographs.

Extended Standard 5: Students in Kindergarten identify information about real object graphs and simple pictographs

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.5.2	Goal 5.2: Collect, organize, and display data.	K.M.5.2.1 Create a graph using real objects or pictorial representations. (262.02.a)		K.M.5.2.1.A Using a model, recreate a simple graph using real objects or pictorial representations.

Standard 5: Data Analysis, Probability, and Statistics - Students in Kindergarten interpret information from real object graphs and simple pictographs.

Extended Standard 5: Students in Kindergarten identify information about real object graphs and simple pictographs

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.5.3	Goal 5.3: Apply simple statistical measurements.	No objectives at this grade level.		No objectives at this grade level.

Standard 5: Data Analysis, Probability, and Statistics - Students in Kindergarten interpret information from real object graphs and simple pictographs.

Extended Standard 5: Students in Kindergarten identify information about real object graphs and simple pictographs

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.5.4	Goal 5.4: Understand basic concepts of probability.	No objectives at this grade level.		No objectives at this grade level.

Standard 5: Data Analysis, Probability, and Statistics - Students in Kindergarten interpret information from real object graphs and simple pictographs.

Extended Standard 5: Students in Kindergarten identify information about real object graphs and simple pictographs

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	K.M.5.5	Goal 5.5: Make predictions or decisions based on data.	No objectives at this grade level.		No objectives at this grade level.