Common Core Standards Plus® - Mathematics – Grade 6 with Common Core ELD Standard Alignment

Domain	Lesson	Focus	Standard(s)	ELD Standards
The Number System (Number System Standards: 6.NS.1-6.NS.8)	1	Divide Multi-digit Numbers	6.NS.2: Fluently divide multi-digit numbers using the standard algorithm.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard.
	2	Divide Multi-digit Numbers		
	3	Add and Subtract Decimals	6.NS.3: Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.	
	4	Add and Subtract Decimals		
	E1	Evaluation – Divide Multi-Digit Numbers / Add and Subtract Decimals	6.NS.2, 6.NS.3	
	5	Multiplying Decimals	6.NS.3	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard.
	6	Multiplying Decimals		
	7	Dividing Decimals		
	8	Dividing Decimals		
	E2	Evaluation – Multiplying and Dividing Decimals		
	9	Common Factors	6.NS.4: Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard.
	10	Distributive Property and Greatest Common Factor		
	11	Distributive Property and Greatest Common Factor		
	12	Distributive Property and Least Common Multiple		
	E3	Evaluation – Distributive Property and GCF and LCM		
	13	Dividing Fractions	6.NS.1: Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	14	Dividing Fractions		
	15	Dividing Fractions		
	16	Dividing Fractions		
	E4	Evaluation – Dividing Fractions		
	P1	**Performance Lesson #1 –** *Compute with Fractions & Decimals* **(6.NS.1, 6.NS.2, 6.NS.3, 6.NS.4)**		
	17	Opposite Numbers & the Number Line	6.NS.6a: Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	18	Positive and Negative Numbers/Number Line	6.NS.5: Understand that positive & negative #s are used together to describe quantities having opposite directions or values; use positive & negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation. 6.NS.6c: See below.	
	19	Positive and Negative Numbers/Number Line		
	20	Position Fractions on a Number Line	6.NS.6c: Find & position integers; other rational numbers on a horizontal or vertical number line diagram; find & position pairs of integers; other rational numbers on a coordinate plane.	
	E5	Evaluation – Numbers and Their Opposites, Position Rational Numbers	6.NS.5, 6.NS.6a, 6.NS.6c	

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The Number System (Number System Standards: 6.NS.1-6.NS.8)	21	Position Rational Numbers on a Line	6.NS.6c	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard.
	22	Position Rational Numbers on a Line		
	23	Interpret Inequality Statements	6.NS.7a Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram.	
	24	Interpret Inequality Statements		
	E6	Evaluation – Position Rational Numbers and Interpret Inequalities	6.NS.6c, 6.NS.7a	
	25	Absolute Values	6.NS.7c Understand the absolute value of a rational number as its distance from 0 on the number line; interpret absolute value as magnitude for a positive or negative quantity in a real-world situation. 6.NS.7d Distinguish comparisons of absolute value from statements about order.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	26	Absolute Values		
	27	Real World Statements of Order	6.NS.7b: Write, interpret, and explain statements of order for rational numbers in real-world contexts.	
	28	Identify and Write Reflections of Ordered Pairs	6.NS.6b: Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.	
	E7	Evaluation – Absolute Values and Order	6.NS.6b, 6.NS.7b, 6.NS.7c, 6.NS.7d	
	29	Plotting Points	6.NS.6c, 6.NS.8: Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	30	Plotting Points		
	31	Plotting Points		
	32	Plotting Points		
	E8	Evaluation – Plotting Points		
	P2	**Performance Lesson #2 –** *Find It on the Number Line* ***(6.NS.5, 6.NS.6, 6.NS.6a-6.NS.6c, 6.NS.7, 6.NS.7a-6.NS.7d, 6.NS.8)***		
Ratios & Proportional Relationships (Ratios & Prop. Relationships Standards: 6.RP.1-6.RP.3d)	1	Concept of a Ratio	6.RP.1: Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	2	Part-to-Part and Part-to-Total		
	3	Part-to-Part and Part-to-Total		
	4	Equivalent Ratios	6.RP.3a	
	E1	Evaluation – Ratios	6.RP.1, 6.RP.3a	
	5	Equivalent Ratios	6.RP.3a: Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	6	Ratios in Tables and Graphs		
	7	Ratios in Tables and Graphs		
	8	Comparing Ratios in Tables		
	E2	Evaluation – Ratios in Tables		

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Ratios & Proportional Relationships (Ratios & Proportional Relationships Standards: 6.RP.1-6.RP.3d)	9	Ratio as Unit Rate	6.RP.2: Understand the concept of a unit rate a/b associated with a ratio $a:b$ with $b \neq 0$, and use rate language in the context of a ratio relationship.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	10	Unit Rates	6.RP.3b: Solve unit rate problems including those involving unit pricing and constant speed.	
	11	Comparing Ratios		
	12	Unit Rates		
	E3	Evaluation – Unit Rates	6.RP.2, 6.RP.3b	
	13	Solve Ratio Problems	6.RP.3: Use ratio and rate reasoning to solve real-world and mathematical problems... 6.RP.3b	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	14	Solve Ratio Problems		
	15	Solve Ratio Problems	6.RP.3	
	16	Solve Ratio Problems		
	E4	Evaluation – Solve Ratio Problems	6.RP.3, 6.RP.3b	
	P3	**Performance Lesson #3** – *Real-World Ratios* **(6.RP.1, 6.RP.2, 6.RP.3, 6.RP.3a, 6.RP.3b)**		
	17	Find the Percent of a Number	6.RP.3c: Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading.
	18	Find the Percent of a Whole		
	19	Find the Percent of a Whole		
	20	Find the Percent of a Whole		
	E5	Evaluation – Find the Percent of a Number/Whole		
	21	Percent of a Number	6.RP.3c	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard.
	22	Percent of a Number		
	23	Percent of a Number		
	24	Percent of a Number		
	E6	Evaluation – Percent of a Number		
	25	Measurement Conversions	6.RP.3d: Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	26	Measurement Conversions		
	27	Measurement Conversions		
	28	Measurement Conversions		
	E7	Evaluation – Measurement Conversions		
	P4	**Performance Lesson #4** – *Percent and Measurement Conversions* **(6.RP.3c, 6.RP.3d)**		

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Domain	Lesson	Focus	Standard(s)	ELD Standards
Statistics and Probability (Statistics and Probability Standards: 6.SP.1-6.SP.5d)	**1**	Statistical Questions	6.SP.1: Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers.	**ELD.PI.6.1:** Exchanging information/ideas via oral communication and conversations. **ELD.PI.6.5:** Listen actively and ask/answer questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	2	Statistical Questions		
	3	Measures of Center	6.SP.2: Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape. 6.SP.3: Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number. 6.SP.5c (See below)	
	4	Measures of Center		
	E1	Evaluation – Statistical Questions and Measures of Center		
	5	Range and Mean Absolute Deviation	6.SP.3, 6.Sp.5c: Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	6	Range and Mean Absolute Deviation		
	7	Dot Plots, Mean, Median, & Range	6.SP.2, 6.SP.4: Display numerical data in plots on a number line, including dot plots, histograms, and box plots.	
	8	Dot Plots and Distribution	6.SP.2, 6.SP.4, 6.SP.5c, 6.SP.5d: Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered.	
	E2	Evaluation – Mean Absolute Deviation and Dot Plots		
	9	Histograms	6.SP.4, 6.SP.5a: Reporting the number of observations. 6.SP.5b: Describing the nature of the attribute under investigation, including how it was measured and its units of measurement.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	10	Histograms		
	11	Histograms	6.SP.4	
	12	Frequency Tables and Histograms	6.SP.2, 6.SP.4	
	E3	Evaluation – Histograms		
	13	Box Plots, Median, Interquartile Range	6.SP.4, 6.SP.5b, 6.SP.5c, 6.SP.5d	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	14	Box Plots		
	15	Box Plots		
	16	Box Plots		
	E4	Evaluation – Box Plots		
	P5	**Performance Lesson #5 –** *Data Displays and Analysis* **(6.SP.1, 6.SP.2, 6.SP.3, 6.SP.4, 6.SP.5, 6.SP.5a-6.SP.5d)**		
Expressions and Equations	**1**	Exponents	6.EE.1: Write and evaluate numerical expressions involving whole-number exponents.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard.
	2	Order of Operations	6.EE.1, 6.EE.2c: Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations).	
	3	Order of Operations		
	4	Order of Operations		
	E1	Evaluation – Order of Operations		

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Domain	Lesson	Focus	Standard(s)	ELD Standards
Expressions and Equations (Expressions and Equations Standards: 6.EE.1 – 6.EE.9)	5	Math Terminology	6.EE.2b: Identify parts of an expression using mathematical terms; view one or more parts of an expression as a single entity.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading.
	6	Writing Algebraic Expressions	6.EE.2a: Write expressions that record operations with numbers and with letters standing for numbers.	
	7	Writing Algebraic Expressions		
	8	Writing Algebraic Expressions	6.EE.2a, 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 any number in a specified set.	
	E2	Evaluation – Math Terminology and Writing Algebraic Expressions	6.EE.2a, 6.EE.2b, 6.EE.6	
	9	Writing Algebraic Expressions	6.EE.2a, 6.EE.6	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard.
	10	Evaluate Expressions		
	11	Evaluate Expressions	6.EE.2c	
	12	Evaluate Expressions		
	E3	Evaluation – Write and Evaluate Algebraic Expressions	6.EE.2a, 6.EE.2c, 6.EE.6	
	13	Distributive Property		**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	14	Distributive Property		
	15	Distributive Property	6.EE.3: Apply the properties of operations to generate equivalent expressions.	
	16	Distributive Property		
	E4	Evaluation – Distributive Property		
	P6	**Performance Lesson #6** – *All About Expressions* **(6.EE.1, 6.EE.2a-6.EE.2c, 6.EE.6)**		
	17	Identifying Equivalent Expressions	6.EE.4: Identify when two expressions are equivalent (i.e., when the two expressions name the same number regardless of which value is substituted into them).	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading.
	18	Dependent and Independent Variables	6.EE.9: Use variables to represent 2 quantities in a real-world problem that change in relationship to one another; write an equation to express 1 quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.	
	19	Dependent and Independent Variables		
	20	Dependent and Independent Variables		
	E5	Evaluation – Equivalent Expressions / Dependent & Independent Variables	6.EE.4, 6.EE.9	
	21	Writing Algebraic Equations		**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	22	Writing Algebraic Equations		
	23	Writing Algebraic Equations	6.EE.9	
	24	Writing Algebraic Equations		
	E6	Evaluation – Writing Algebraic Equations		

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Expressions and Equations (Expressions and Equations Standards: 6.EE.1 – 6.EE.9)	25	Writing Algebraic Equations	6.EE.9	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	26	Writing Algebraic Equations		
	27	Writing Algebraic Equations		
	28	Writing Algebraic Equations		
	E7	Evaluation – Writing Algebraic Equations		
	P7	**Performance Lesson #7 –** *Writing Algebraic Equations* **(6.EE.4, 6.EE.9)**		
	29	Finding a Number that Makes an Equation True	6.EE.5: Understand solving an equation or inequality as a process of answering a question: which values from a specified set, if any, make the equation/inequality true? Use substitution to determine whether a given number in a specified set makes an equation or inequality true.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard.
	30	Finding Values that Make Inequalities True		
	31	Understand Properties to Solve Equations	6.EE.7: Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for cases in which p, q and x are all nonnegative rational numbers.	
	32	Understand Properties to Solve Equations		
	E8	Evaluation – Solving Algebraic Equations	6.EE.5, 6.EE.7	
	33	Understand Properties to Solve Equations	6.EE.7	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard.
	34	Understand Properties to Solve Equations		
	35	Solve Equations		
	36	Solve Equations		
	E9	Evaluation – Solving Algebraic Equations		
	37	Graph Inequalities	6.EE.8: Write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions; represent solutions of such inequalities on number line diagrams.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	38	Translate Inequality Phrases		
	39	Translate Inequality Phrases		
	40	Write and Graph Inequalities from Real-world Scenarios		
	E10	Evaluation – Working with Inequalities		
	P8	**Performance Lesson #8 –** *Equations and Inequalities* **(6.EE.5, 6.EE.7, 6.EE.8)**		
Geometry (Geometry Standards: 6.G. 1-6.G.4)	1	Areas of Special Quadrilaterals	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.	**ELD.PI.6.5:** Listening actively and asking/answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading.
	2	Areas of Special Quadrilaterals		
	3	Areas of Triangles		
	4	Find Missing Dimensions Using Area Formulas		
	E1	Evaluation – Areas of Triangles and Quadrilaterals		
	5	Areas of Triangles and Quadrilaterals	6.G.1	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	6	Areas of Rectangular Composite Figures		
	7	Solving Area Problems		
	8	Solving Area Problems		
	E2	Evaluation – Solving Area Problems		

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Geometry (Geometry Standards: 6.G. 1-6.G.4)	**9**	Nets	6.G.4: Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	10	Surface Area of Prisms		
	11	Surface Area of Pyramids		
	12	Surface Area in Real-world Problems		
	E3	Evaluation – Surface Area and Nets		
	13	Volume	6.G.2: Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas $V = l\,w\,h$ and $V = b\,h$ to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.	**ELD.PI.6.1:** Exchanging information/ideas via oral communication and conversations. **ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	14	Volume		
	15	Volume		
	16	Volume		
	E4	Evaluation – Volume		
	P9	**Performance Lesson #9 –** *Area, Surface Area, and Volume* **(6.G.1, 6.G.2, 6.G.4)**		
	17	Coordinate Geometry	6.G.3: Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems.	**ELD.PI.6.5:** Listening actively and asking/ answering questions about what was heard. **ELD.PI.6.6:** Reading closely and explaining interpretations/ideas from reading. **ELD.PI.6.10:** Composing/writing literary and informational texts.
	18	Coordinate Geometry		
	19	Coordinate Geometry		
	20	Coordinate Geometry		
	E5	Evaluation – Coordinate Geometry		
	P10	**Performance Lesson #10 –** *Graphic Display* **(6.G.3)**		