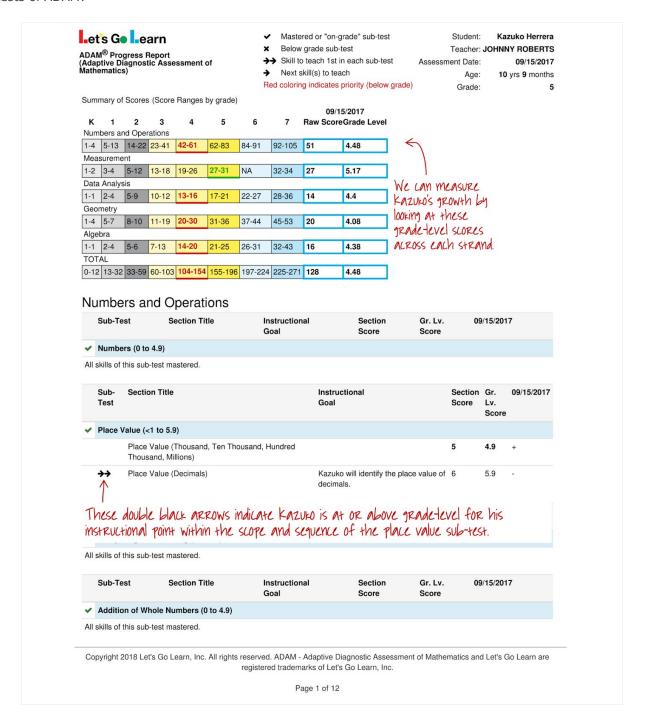# Target Specific Curricular Needs with Actionable Data from *ADAM*

The reports from *ADAM* (progress and detail reports) for individual students will range from 10 to 15 pages. The sample progress report below identifies the exact instructional points within the scope and sequence of the 44 sub-tests of *ADAM*.

Let's Go Learn

ADAM® Progress Report
(Adaptive Diagnostic Assessment of Mathematics)

✔ Mastered or "on-grade" sub-test
✗ Below grade sub-test
➤➤ Skill to teach 1st in each sub-test
➤ Next skill(s) to teach

Red coloring indicates priority (below grade)

Student:	**Kazuko Herrera**
Teacher:	**JOHNNY ROBERTS**
Assessment Date:	**09/15/2017**
Age:	**10 yrs 9 months**
Grade:	**5**

Summary of Scores (Score Ranges by grade)

	K	1	2	3	4	5	6	7	09/15/2017 Raw Score	Grade Level
Numbers and Operations	1-4	5-13	14-22	23-41	42-61	62-83	84-91	92-105	51	4.48
Measurement	1-2	3-4	5-12	13-18	19-26	27-31	NA	32-34	27	5.17
Data Analysis	1-1	2-4	5-9	10-12	13-16	17-21	22-27	28-36	14	4.4
Geometry	1-4	5-7	8-10	11-19	20-30	31-36	37-44	45-53	20	4.08
Algebra	1-1	2-4	5-6	7-13	14-20	21-25	26-31	32-43	16	4.38
TOTAL	0-12	13-32	33-59	60-103	104-154	155-196	197-224	225-271	128	4.48

We can measure Kazuko's growth by looking at these grade-level scores across each strand.

Numbers and Operations

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔ **Numbers (0 to 4.9)**					

All skills of this sub-test mastered.

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔ **Place Value (<1 to 5.9)**					
	Place Value (Thousand, Ten Thousand, Hundred Thousand, Millions)		5	4.9	+
➤➤	Place Value (Decimals)	Kazuko will identify the place value of decimals.	6	5.9	-

These double black arrows indicate Kazuko is at or above grade-level for his instructional point within the scope and sequence of the place value sub-test.

All skills of this sub-test mastered.

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔ **Addition of Whole Numbers (0 to 4.9)**					

All skills of this sub-test mastered.

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	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	**Subtraction of Whole Numbers (<1 to 4.9)**					

All skills of this sub-test mastered.

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	**Multiplication of Whole Numbers (<3 to 5.9)**					
		Multiplication (2 and 3 digit number by a 2 digit number)		8	5.5	+
➤➤		Multiplication (Commutative, Associative, & Distributive Terminology)	Kazuko correctly identify the commutative, associative, and distributive properties.	9	5.9	-

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖	**Division of Whole Numbers (<3 to 5.9)**					
		Division Facts		3	3.9	+
➤➤		Division (Whole Numbers)	Kazuko will long divide, with no remainders.	4	4.9	-
➤		Division (4 Digits)	Kazuko will divide four-digits numbers, with no remainders.	5	5.9	NT

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✘	Below grade sub-test
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	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✘	**Fractions (<1 to 7.9)**					
		Fractions (Equivalent Fractions Using Shaded Circles)		**4**	**2.9**	+
	➡➡	Fractions (Representing Fractions)	Kazuko will represent fractions.	5	3.2	-
	➡	Fractions (Equivalent Fractions)	Kazuko will identify equivalent fractions.	6	3.3	NT
	➡	Comparing Fractions	Kazuko will compare fractions.	7	3.5	NT
	➡	Ordering Fractions	Kazuko will order fractions.	8	3.6	NT
	➡	Fractions (as Decimals and Place Value Tenths and Hundredths)	Kazuko will identify the decimal equivalent of a fraction.	9	3.8	NT
	➡	Fractions (Solving Problems)	Kazuko will solve word problems using fractions.	10	3.9	NT
	➡	Fractions (Equivalent Fractions Lowest Terms)	Kazuko will express fractions in the lowest terms.	11	4.2	NT
	➡	Fractions (as Decimals and Place Value Tenth and Hundredth)	Kazuko will express fractions as decimals.	12	4.3	NT
	➡	Fractions (Comparing and Ordering)	Kazuko will compare and order fractions.	13	4.5	NT
	➡	Fractions (Least Common Multiple)	Kazuko will calculate the least common multiple.	14	4.6	NT
	➡	Fractions (Adding like Denominators)	Kazuko will add fractions with like denominators.	15	4.8	NT
	➡	Multiplying Fractions by a Whole Number	Kazuko will multiply fractions by a whole number.	16	4.9	NT
	➡	Fractions (Proper, Improper, and Mixed Fractions)	Kazuko will identify proper fractions, improper fractions, and mixed numbers.	17	5.2	NT
	➡	Fractions (Adding Unlike Denominators)	Kazuko will add fractions with unlike denominators.	18	5.3	NT
	➡	Subtracting Fractions	Kazuko will subtract fractions.	19	5.5	NT
	➡	Fractions (Multiplying Patterns of Fractions)	Kazuko will multiply fractions.	20	5.6	NT
	➡	Fractions (Multiplying & Dividing Fractions)	Kazuko will multiply and divide fractions.	21	5.8	NT
	➡	Solving Problems Using Fractions	Kazuko will solve word problems using fractions.	22	5.9	NT
	➡	Multiplying and Dividing Positive Fractions	Kazuko will multiply and divide fractions.	23	6.5	NT
	➡	Least Common Multiple & Greatest Common Factor	Kazuko will calculate the least common multiple and greatest common factor.	24	6.9	NT

[Handwritten note:] These red arrows indicate Kazuko's instructional point is below grade-level within the scope & sequence of the Fractions sub-test.

Let's Go Learn

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✘	Below grade sub-test
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Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔ **Number Theory (<4 to 5.9)**					
	Number Theory (Prime/Composite Numbers)		**4**	**5.2**	+
➥➥	Number Theory (Prime Factors)	Kazuko will identify prime factors.	5	5.5	-
➔	Number Theory (Common Greatest Factors)	Kazuko will identify greatest common factors.	6	5.7	-
➔	Number Theory (Divisibilty Rules)	Kazuko will use divisibility rules.	7	5.9	NT

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔ **Decimal Operations (<5 to 7.9)**					
	Decimals (Adding and Subtracting)		**1**	**5.3**	+
➥➥	Decimals (Multiplication & Money Notation)	Kazuko will multiply decimals using money notation.	2	5.6	-
➔	Decimals (Division)	Kazuko will divide decimals.	3	5.9	-

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✘ **Percentages (<5 to 7.9)**					
			0	**<5**	-
➥➥	Percentages (Percents & Fractions)	Kazuko will convert percentages and fractions.	1	5.2	-
➔	Percentages (Percents & Decimals)	Kazuko will convert percentages and decimals.	2	5.4	NT
➔	Percentages (Ratios)	Kazuko will convert ratios and percentages.	3	5.5	NT
➔	Percentages (Proportions)	Kazuko will identify missing elements of proportions.	4	5.7	NT
➔	Percentages (Estimating and Calculating)	Kazuko will estimate percentages.	5	5.9	NT
➔	Percentages (Calculate)	Kazuko will calculate percentages.	6	6.9	NT

Measurement

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	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	**Money (0 to 2.9)**					

All skills of this sub-test mastered.

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	**Time (<1 to 3.9)**					

All skills of this sub-test mastered.

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	**Temperature (<2 to 3.9)**					

All skills of this sub-test mastered.

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	**Converting Units (More Complex) (0 to 5.9)**					
		Metric (Comparing Metric Length)		11	4.9	+
➤➤		Converting Units (More Complex)	Kazuko will convert units that require more than one step.	12	5.9	-

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	**Weight (<2 to 5.9)**					
		Weight (Units of Measure)		3	4.9	+
➤➤		Weight (Converting and Comparing Units of weight)	Kazuko will compare and convert customary and metric units of weight.	4	5.9	-

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	**Capacity & Volume (<2 to 5.9)**					

All skills of this sub-test mastered.

Let's Go Learn

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Sub-Test		Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖ Rate (<5 to 7.9)						
				0	<5	-
	➡➡	Understanding Rate	Kazuko will solve simple word problems involving rate.	1	5.5	-
	➡	Solving Problems Using Rate	Kazuko will solve multi-step word problems involving rate.	2	5.9	NT

Data Analysis

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔ Patterns & Sorting (0 to 2.9)					

All skills of this sub-test mastered.

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔ Data Representation (<1 to 2.9)					

All skills of this sub-test mastered.

Sub-Test		Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖ Simple Probability (<3 to 7.9)						
		Likelihood		1	3.9	+
	➡➡	Simple Probability	Kazuko will identify the probability of a simple event.	2	4.9	-
	➡	Estimating Future Events	Kazuko will estimate the probability of future events, given present data.	3	6.9	NT

Let's Go Learn

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Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖ **Outcomes (<3 to 6.9)**					
			0	<3	-
➡➡	Recording Outcomes	Kazuko will identify possible outcomes from simple events (i.e. coin toss or die roll)	1	3.5	-
➡	Representing Results	Kazuko will read and interpret line graphs representing results.	2	3.9	NT
➡	Representing Outcomes	Kazuko will identify the correct tree diagram of possible results for compound events.	3	4.9	NT
➡	Representing Possible Outcomes	Kazuko will correctly identify possible outcomes for simple and compound events.	4	6.9	NT

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔ **Displaying Data (<4 to 7.9)**					
	Comparing Data (Fractions and Percents)		3	5.9	+

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔ **Measures of Central Tendency (<4 to 7.9)**					
	Mean, Median, and Mode (Conceptual)		1	4.9	+
➡➡	Mean, Median, and Mode (Computing)	Kazuko will calculate mean, median, and mode from data presented in a table.	2	5.9	-
➡	Computing Measures of Central Tendency	Kazuko will compute mean, median, mode, and range from give data.	3	6.3	NT
➡	Changing Central Tendency	Kazuko will identify changes in measures of central tendency when the data set also changes.	4	6.5	NT
➡	Outliers	Kazuko will identify how measures of central tendency change when an outlier is removed.	5	6.8	NT
➡	Use of Measures of Central Tendency	Kazuko will solve word problems involving measures of central tendency.	6	6.9	NT

Let's Go Learn

	Legend
✔	Mastered or "on-grade" sub-test
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	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✘	**Ordered Pairs (<5 to 5.9)**					
				0	<5	-
➤➤		Identifying Ordered Pairs	Kazuko will identify ordered pairs on a graph.	1	5.5	-
➤		Writing Ordered Pairs	Kazuko will identify ordered pairs on a graph.	2	5.9	NT

Geometry

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	**Location & Direction (0 to 0.9)**					

All skills of this sub-test mastered.

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✘	**2D Shapes (0 to 7.9)**					
		Identifying Congruency Figures		8	4.5	+
➤➤		Symmetry	Kazuko will identify lines of symmetry.	9	4.9	-

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✘	**3D Shapes (<1 to 7.9)**					
		Composing 3D Shapes		3	3.9	+
➤➤		Qualities of 3D Figures	Kazuko will identify attributes of 3D figures.	4	4.9	-

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✘	**Triangles (<3 to 7.9)**					
				0	<3	-
➤➤		Triangles (Attributes)	Kazuko will identify attributes of give triangles.	1	3.5	-
➤		Right Angle Knowledge	Kazuko will identify right angles, and the degrees in a right angle.	2	3.9	NT
➤		Triangle (Definitions)	Kazuko will identify the type of triangle, given the shape.	3	5.9	NT
➤		Solving for Unknown Angles	Kazuko will solve for the missing angle in a triangle.	4	6.9	NT

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	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖	**Quadrilaterals (<3 to 5.9)**					
		Quadrilaterals (Attributes)		1	3.9	+
➤➤		Quadrilateral (Definitions)	Kazuko will identify the correct definitions for given quadrilaterals.	2	5.9	-

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖	**Area & Perimeter (<2 to 7.9)**					
		Solving for Area vs Perimeter		4	3.9	+
➤➤		Area and Perimeter (Word Problems)	Kazuko will solve word problems that involve calculating area and perimeter.	5	4.9	-
➤		Units of Measure (2D & 3D Shapes)	Kazuko will identify the correct unit of measurement when calculating perimeter and area.	6	5.9	-
➤		Area of Triangles and Parallelograms	Kazuko will calculate the area of triangles and parallelograms.	7	6.9	-

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖	**Lines (<4 to 4.7)**					
				0	<4	-
➤➤		Plotting Points of a Linear Equation	Kazuko will plot points from a linear equation.	1	4.2	-
➤		Horizontal Line Segment Length	Kazuko will calculate the length of a horizontal line segment, given the points at which it begins and ends.	2	4.4	NT
➤		Vertical Line Segment Length	Kazuko will calculate the length of a vertical line segment, given the points at which it begins and ends.	3	4.5	NT
➤		Parallel and Perpendicular Lines	Kazuko will identify parallel and perpendicular lines.	4	4.7	NT

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	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖	Circles (<4 to 6.9)					
				0	<4	-
➤➤		Qualities of a Circle	Kazuko will identify attributes of circles.	1	4.9	-
➤		Pi	Kazuko will identify and use formulae for circumference and area of a circle.	2	6.5	NT
➤		Calculating using Pi	Kazuko will calculate circumference and area of circles.	3	6.9	NT

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	Angles (<4 to 6.9)					
		Sum of Angles		2	5.9	+
➤➤		Types of Angles	Kazuko will identify relationships between angles.	3	6.9	-

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖	Volume & Surface Area (<5 to 7.9)					
				0	<5	-
➤➤		Surface Area	Kazuko will calculate surface area of quadrilaterals.	1	5.5	-
➤		Volume	Kazuko will calculate volume of quadrilaterals.	2	5.9	NT
➤		Volume of Triangular Prisms and Cylinders	Kazuko will calculate volume of triangular prisms and cylinders.	3	6.9	NT

Algebraic Thinking

	Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✔	Relationships (0 to 4.9)					

All skills of this sub-test mastered.

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Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✘	**Expressions & Problem Solving (<1 to 7.9)**				
	Problem Solving Using Data (Addition and Subtraction)		5	2.9	+
➤➤	Selecting Operations	Kazuko will choose the operator that goes in the blank to make the addition or subtraction number sentence true.	6	3.9	-
➤	Mathematical Expressions (Using Parentheses)	Kazuko will simplify expressions that involve parentheses.	7	4.5	NT
➤	Order of Operations (with Parentheses)	Kazuko will simplify expressions that involve applying rules of the order of operations.	8	4.9	-
➤	Using Distributive Property	Kazuko will simplify expressions or solve equations that involve using the distributive property.	9	5.9	-
➤	Writing Algebraic Expressions	Kazuko will identify the correct expression when given the same in words.	10	6.3	NT
➤	Equivalent Expressions	Kazuko will identify the expression that is equivalent to a given expression.	11	6.5	NT
➤	Applying Order of Operations	Kazuko will simplify expressions, by applying the order of operations, including exponents.	12	6.8	NT
➤	Solving Problems Using Order of Operations	Kazuko will solve problems by applying knowledge of the order of operations.	13	6.9	NT

Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✘	**Equations (<3 to 7.9)**				
	Formulas		4	4.6	+
➤➤	Simple Equations	Kazuko will solve one-step equations.	5	4.9	-
➤	Problem Solving and Data	Kazuko will solve word problems using graph data.	6	5.3	NT
➤	Solving by Substitution	Kazuko will solve one-step equations using the substitution method.	7	5.6	-
➤	Solving Linear Functions	Kazuko will solve one-step linear functions.	8	5.9	NT
➤	Solving One-Step Linear Equations	Kazuko will solve one-step linear equations.	9	6.5	NT
➤	Solving One-Step Inequalities	Kazuko will solve one-step inequalities.	10	6.9	NT

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Sub-Test	Section Title	Instructional Goal	Section Score	Gr. Lv. Score	09/15/2017
✖	Graphing Algebraic Relationships (<5 to 7.9)				
			0	<5	-
➤➤	Coordinate Plane	Kazuko will demonstrate knowledge of the quadrants of the Cartesian plane.	1	5.9	-

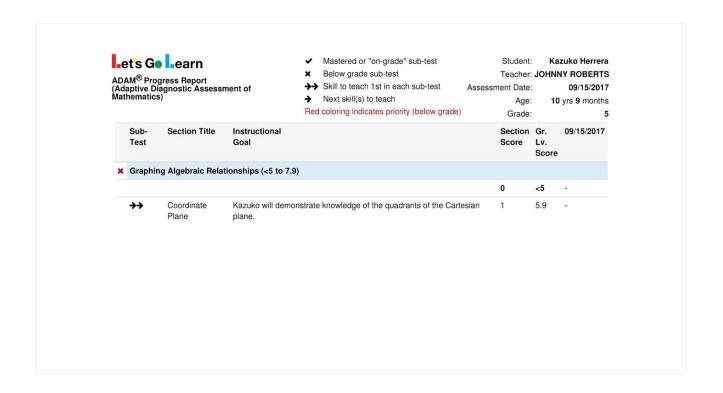**Ready to see how Let's Go Learn can provide all grade levels with actionable data across *ADAM*? Speak with a customer representative today!**

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