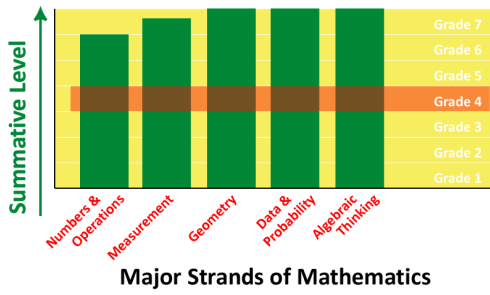




PD
TEACHER TRAINING
MATERIALS

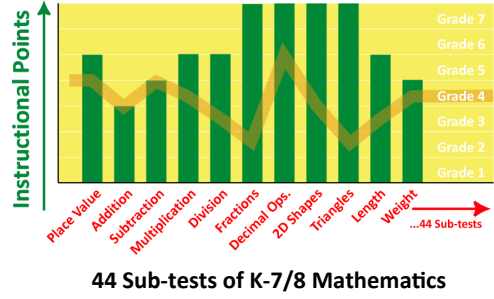
Standards Model of Assessment



7

Let's Go Learn

Diagnostic Model of Assessment



8

Let's Go Learn

ADAM Professional Development Notes

Date: _____

Name: _____



ADAM™ - Summary Report (Adaptive Diagnostic Assessment of Mathematics)

Student: **Leon Bean**
 Assessment Date: **06/13/2012**
 Age: **11 yrs 5 months**
 Grade: **5.9**

Summary Scores

Score Ranges by Grade		Raw Score	Grade Level						
K	1	2	3	4	5	6	7		
Numbers and Operations									
1-4	5-13	14-22	23-41	42-61	62-83	84-91	92-105	66	5.22
Measurement									
1-2	3-4	5-12	13-18	19-26	27-31	NA	32-34	26	4.89
Data Analysis									
1-1	2-4	5-9	10-12	13-16	17-21	22-27	28-36	29	7.20
Geometry									
1-4	5-7	8-10	11-19	20-31	31-36	37-44	45-53	25	4.46
Algebra									
1-1	2-4	5-6	7-13	14-20	21-25	26-31	32-43	31	6.86
TOTAL									
0-12	13-32	33-59	60-103	104-154	155-196	197-224	225-271	177	5.53

Geometry Strand

Sub-tests:

Location & Direction	2/2 (0.9)	10/12 (7.3)
2D Shapes		
3D Shapes*		3/6 (3.9)
Triangles		4/5 (6.9)
Quadrilaterals*	1/2 (3.9)	
Area & Perimeter*		3/9 (3.6)
Lines*		0/4 (<4)
Circles*		0/3 (<4)
Angles		2/3 (5.9)
Vol. & Surface Area*		0/4 (<5)
Geom. Relationships*		0/3 (<6)

Numbers and Operations Strand

Sub-tests:

Numbers	10/10 (4.9)
Place Value	5/6 (4.9)
Comparing and Ordering	4/6 (3.9)
Addition of Whole Numbers	7/7 (4.9)
Subtract. of Whole Numbers	3/3 (4.9)
Multiplic. of Whole Numbers*	8/9 (5.5)
Division of Whole Numbers	5/5 (5.9)
Fractions*	11/26 (4.2)
Number Theory*	4/7 (5.2)
Decimal Operations	3/4 (5.9)
Percentages	6/8 (6.9)
Ratios and Proportions*	0/2 (<6)
Positive & Negative Integers*	0/6 (<6)
Exponents*	0/6 (<7)

View the student detailed report to find the instructional start points within these 44 sub-tests.

Measurement Strand

Sub-tests:

Money	2/2 (2.9)
Time	4/4 (3.9)
Temperature*	1/2 (2.9)
Length*	11/12 (4.9)
Weight*	3/4 (4.9)
Capacity & Volume*	0/5 (<2)
Rate	5/5 (7.9)

Data Analysis Strand

Sub-tests:

Patterns & Sorting	5/5 (2.9)
Data Representation	4/4 (2.9)
Simple Probability	3/5 (6.9)
Outcomes	4/4 (6.9)
Displaying Data	3/5 (5.9)
Meas. of Central Tendency	
Ordered Pairs*	1/2 (5.5)
Samples	6/7 (6.9)
	3/4 (7.8)

Algebra Strand

Sub-tests:

Relationships	7/7 (4.9)
Expres. & Problem Solving	15/18 (7.4)
Equations	9/13 (6.5)
Graphing Alg. Relationships*	0/5 (<5)

Max Raw Score per Sub-test
 Raw Score | Grade level score
 4/10 (5.6)

█ On or Above Grade
█ Below Grade (0.25 or more below)
* Not Tested
 NT Not Tested

Grade Level of Sections within each Sub-test: K First Second Third Fourth Fifth Sixth Seventh

- ✓ Mastered or "on-grade" sub-test
- ✗ Below grade sub-test
- Skill to teach first
- Next skill(s) to teach

Student: **JIMMY HANSEN**
 Teacher: **JENNIFER ROMAN**
 Assessment Date: **05/23/2017**
 Age: **11 yrs 11 months**
 Grade: **6.8**

Red coloring indicates priority (below grade)

Sub-Test	Section Title	Instructional Goal	Highest Score	Highest GLS	05/11/2015	05/27/2016	05/23/2017
✗	Number Theory (0 to 5.9)						
	Number Theory (Divisibility)		1	4.3	+	+	+
	Number Theory (Factors)		2	4.6	+	+	+
	Number Theory (Multiples)		3	4.9	+	+	+
	Number Theory (Prime/Composite Numbers)		4	5.2	+	+	+
	Number Theory (Prime Factors)		5	5.5	+	+	+
	Number Theory (Common Greatest Factors)		6	5.7	-	-	+
→	Number Theory (Divisibility Rules)	JIMMY will use divisibility rules.	7	5.9	NT	NT	-

Identifies this student's instructional points within the scope and sequence of skills taught

+

Sub-Test	Section Title	Instructional Goal	Highest Score	Highest GLS	05/11/2015	05/27/2016	05/23/2017
✗	Decimal Operations (0 to 7.9)						
	Decimals (Adding and Subtracting)		1	5.3	+	+	+
	Decimals (Multiplication & Money Notation)		2	5.6	-	+	+
	Decimals (Division)		3	5.9	-	+	+
→	Terminating and Repeating Decimals	JIMMY will identify terminating and repeating decimals.	4	7.9	-	-	-

Sub-Test	Section Title	Instructional Goal	Highest Score	Highest GLS	05/11/2015	05/27/2016	05/23/2017
✗	Percentages (0 to 7.9)						
	Percentages (Percents & Fractions)		1	5.2	+	-	+
	Percentages (Percents & Decimals)		2	5.4	-	NT	+
	Percentages (Ratios)		3	5.5	-	NT	+
	Percentages (Proportions)		4	5.7	NT	NT	+
→	Percentages (Estimating and Calculating)	JIMMY will estimate percentages.	5	5.9	-	NT	-
→	Percentages (Calculate)	JIMMY will calculate percentages.	6	6.9	NT	NT	-
→	Percentages (Increase and Decrease)	JIMMY will calculate percentage increase and decrease.	7	7.5	NT	NT	NT
→	Discounts and Markups	JIMMY will solve word problems involving discount and markup percentages.	8	7.9	NT	NT	-

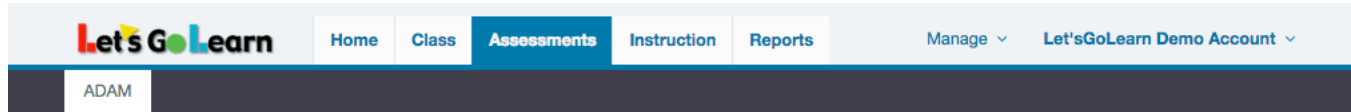
Within each section, skills are listed from easiest (top) to hardest (bottom). This is the "scope and sequence" of skills taught over time.

Measurement

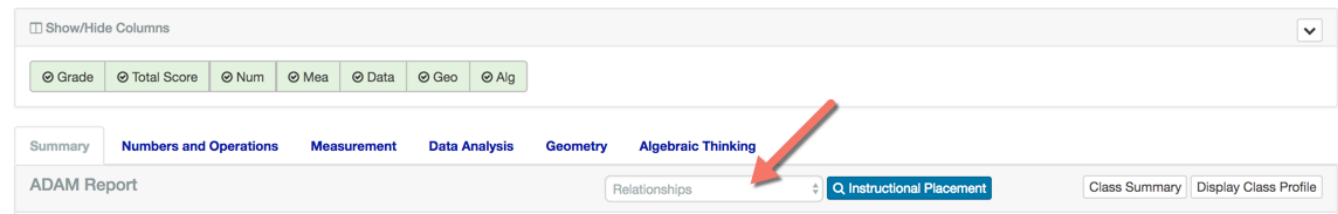
Sub-Test	Section Title	Instructional Goal	Highest Score	Highest GLS	05/11/2015	05/27/2016	05/23/2017
✗	Temperature (0 to 3.9)						
	Temperature (Concept)		1	2.9	+	+	+
→	Temperature (Reading Temp)	JIMMY will correctly read a thermometer.	2	3.9	-	-	-

Using the ADAM Instructional Placement Report

Step 1: Go to the ADAM Assessment Page.

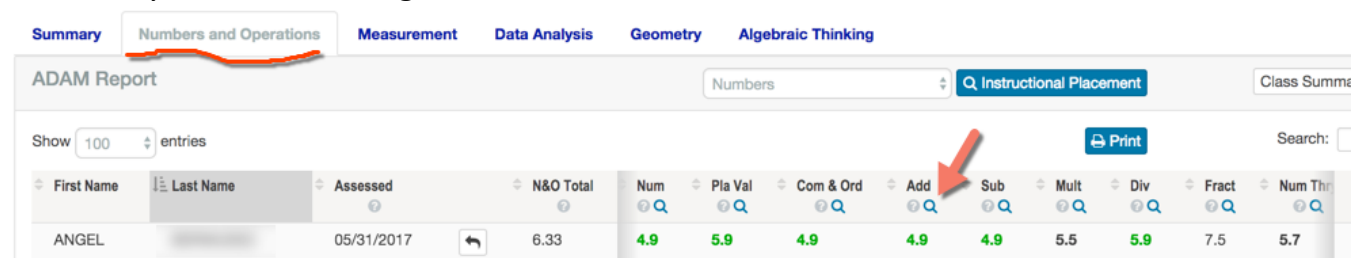


Step 2a: Select any sub-test in the form field at the top of the ADAM table.



OR

Step 2b: While in any specific strand, click on the magnifying glass icon below any column heading.



Step 3: Use the resulting page to target specific skills by small groups. Kyle and Steve are working on “adding three- and four-digit numbers with regrouping.”

Section/Construct	Raw Score	Grade Level Score
Students will add three- and four-digit numbers with regrouping.	7	4.9
Kyle Kerchoff		
Steve Schultz		
Students will add multi-digit numbers with regrouping.	6	4.5
Wanda Wadell		
Students will add multi-digit numbers without regrouping.	5	2.9
Students will add a two-digit number and single digit.	4	1.9
Quinten Quartz		
Students will correctly add single digits.	3	1.6
Students will identify equivalent addition number sentences.	2	1.3
Students will use manipulatives to model addition and subtraction.	1	0.9
Alex Eddison		
Sara Hunter		
Mastery of this Sub-Test		
Brianna Bailey		
Arianna Brown		

Using the ADAM Common Core Classroom Diagnostic Alignment View



Step 1: In the Display form field select “Common Core.”

Step 2: Select the standard that you wish to target for instruction in the Standards form field. Hit <Filter>.

Teachers choose a specific Common Core Math Standard

ADAM sub-test directly aligned to standard

ADAM sub-tests that are foundational to the standard

Foundational Skills Need Building											
First name	Last name	Grade	Assessed	Total Score	Relationships	Num	Add	Subtract	Multiply	Divide	Detailed Reports
Sara	Hunter	3.9	06/13/2012	2.96	0.9	4.9	0	2.9	<3	<3	Report
Alex	Eddison	3.9	07/05/2012	1.05	0	3.5	1.6	2.9	3.7	<3	Report
Gerald	Gorman	3.9	07/05/2012	2.71	3.3	3.5	4.9	2.9	3.7	<3	Report
Quinten	Quartz	3.9	07/05/2012	3.09	0.9	3.5	1.6	4.9	4.3	3.9	Report

Ready to Learn											
First name	Last name	Grade	Assessed	Total Score	Relationships	Num	Add	Subtract	Multiply	Divide	Detailed Reports
Chris	Charles	3.9	07/05/2012	4.04	0	4.9	4.9	4.9	4.9	5.9	Report
Deanna	Divis	3.9	07/05/2012	3.76	0	3.5	4.9	4.9	4.9	5.9	Report
Hadley	Harris	3.9	07/05/2012	3.16	0.9	3.5	4.9	4.9	4.9	3.9	Report
Ignacio	Iglesias	3.9	07/05/2012	3.11	0	3.5	4.9	4.9	3.7	3.3	Report
Kyle	Kerchuff	3.9	07/05/2012	3.2	0.9	3.5	4.5	2.9	5.9	3.9	Report
Roseanne	Rocha	3.9	07/05/2012	3.73	0	4.9	4.9	4.9	4.9	3.9	Report
Tina	Turner	3.9	07/05/2012	3.49	0	4.9	4.9	4.9	4.9	3.3	Report
Victor	Vasquez	3.9	07/05/2012	3.53	0	4.9	4.9	4.9	4.9	3.9	Report
Xavier	Xanadu	3.9	07/05/2012	3.98	0.9	4.9	4.9	4.9	4.9	3.9	Report
Bryan	Curtis	3.9	07/05/2012	3.96	0	4.9	4.9	4.9	4.9	5.9	Report
Chloe	Wilson	3.9	07/05/2012	3.51	3.8	4.9	4.9	4.9	4.9	3.9	Report

Standards Demonstrated Mastery											
First name	Last name	Grade	Assessed	Total Score	Relationships	Num	Add	Subtract	Multiply	Divide	Detailed Reports
Steven	Winchester	3.9	06/13/2012	7.52	4.9	4.9	4.9	4.9	5.5	5.9	Report
Brianna	Bailey	3.9	07/05/2012	3.84	4.9	3.5	4.9	4.9	4.9	3.9	Report
Evan	Ewing	3.9	07/05/2012	4.35	4.9	4.9	4.9	4.9	4.9	3.9	Report

Step 3: View your class sorted into three groups:

“Foundational Skills Need Building,” “Ready to Learn,” “Standards Demonstrated Mastery”

Within the foundational group, teachers see exactly which skill areas need attention for each student. Each student’s detailed ADAM report will identify exactly which skills students need to work on within each scope and sequence of the foundational sub-tests. In the example above, the foundational sub-tests to 3.OA.9 are: Numbers, Addition, Subtraction, Multiplication, and Division.

Getting Started with the All New LGL Edge 2.0!

Overview: For users who have used an earlier version of *LGL Edge*, we've made some major changes. It has been rebuilt from the ground up! All products now appear on a single "Edge 2.0" menu tab. Usage reports are also available on this page but via an additional tab. See below!

Step One: Click on the <Instruction> tab and choose "Edge 2.0."

Initially, you will be on the overview tab. This page gives you some basic information on your class once your students are in progress using *LGL Edge*.

Step Two: But if you are starting out from scratch, you'll want to click on the "Enroll" tab. See below.

The screenshot shows the 'Enroll' tab selected in the top navigation. Below the navigation are 'Filters' and 'Actions' sections. The 'Actions' section contains 'Enroll Class In' buttons for 'ELA' and 'ME', and 'Adjust Class Status' buttons for 'On' and 'Off'. A red circle with the number '1' is around the 'Enroll' button in the 'Actions' box. Below this is a 'Students' section with a table listing students. The table has columns for First Name, Last Name, Grade, Curriculum, Last Assessed, Enrolled With, and Status. A student named Sophia Ascencio is listed with Grade 4. A red circle with the number '2' is around the 'Enroll' button next to her name.

- 1) If all of your students have completed testing, you can easily click these button at the top in the "Actions" box. This will allow you to enroll all students in either *LGL ELA* or *Math Edge* quickly.
- 2) Or you can individual enroll students by clicking on the <Enroll> button next to their names. See below...

The screenshot shows the 'Enroll Options' dialog box. It contains a table with the following data:

Series	Recommendation	Assessment Date
DORA	Recommended - [edit]	01/06/2017 14:16:32

Below the table are 'Close' and 'Enroll Now' buttons. A red circle with the number '2' is around the 'edit' link in the 'Recommendation' column, and a red circle with the number '1' is around the 'Enroll Now' button.

- 1) If you click <Enroll Now> it will accept the default assignments.
- 2) If you click on the "edit" link it will open up a new page and show you the assignments based on the assessment and allow you to make edits.

Step Three: In the case where you opted to "edit" the assignments for an individual student, you will see a page like the one below. In this example, we are looking at an *ADAM* assignment.

Math Edge recommendations for Jasper [redacted]

- The tabs below organize all the available lessons by their instructional level.
- Blue backgrounds lessons are those recommended by the assessment.
- You may uncheck any lesson to unassign it. Or you may check others to assign them.
- Click the <Enroll Student> button when you are ready to enroll the student into a course.

Grade K Grade 1 Grade 2 **Grade 3** Grade 4 Grade 5 Grade 6 Grade 7 Grade 8

Rounding
 Multiply Basics
 Multiply Arrays Grid
 Triangles
 Division Basics
 Fractions Number Line
 Division Unknown Factor
 Order to 1000
 Mult Facts 1-5

Mult Facts 6-10
 Equivalent Fractions
 Measure Temperature
 Mult Facts Challenge
 Area Perimeter Volume
 Measurement
 Multiply by 10s
 Geometry Word Problems
 Multiply Properties

Multiply by 1 Digit
 Multi-Step Word Problems
 Multi-Step Word Problems
 Volume Prism
 Lines
 Angles Basics
 Reduce Fractions
 Section Challenge 3

Enroll Student

- 1) The initial tab selected by the system (in this case "Grade 3") is the lowest instructional level for which the student was assigned lessons. We see that Jasper was assigned about 7 lessons at the 3rd grade instructional level.
Note, the "Section Challenges" use many or all of the skills from the entire grade level as a review. These lessons are harder and take longer. Some teachers choose to turn these off when only 1 to 5 regular lessons are selected. This may speed up the student's remediation by not having the student spend time on review at grade levels that are many grade below.
- 2) Teachers can uncheck any box if they do not want the student to be assigned any particular recommended lesson. Likewise, the teacher may check any box to add lessons.
- 3) If you click through tabs "Grade 3" to "Grade 8," you will see about 60 lessons highlighted in blue with a check mark next to each. These are the personalized lessons selected for each student.
- 4) When the teacher is ready, he or she clicks the <Enroll Student> button.

You Can Edit a Course Already Enrolled!

Overview **Enroll** Usage

Students

Show 100 entries

First Name	Last Name	Grade	Curriculum
John	1Smith	5	ELA
			ME

Once students are enrolled, you can edit their assignments by going to the "Enroll" tab and then clicking on <Edit> next to any student's ELA or Math course.

Step Four: Going back to the main "Edge 2.0" page from the <Instruction> menu, the teacher can click on the "Usage" tab to get a lot of additional information.

The screenshot shows the 'Usage' tab selected. Below the filters, a table lists student usage data:

First Name	Last Name	Grade	Usage (hours)	# Lessn Attps.	# Uniq. Cmpt.	Aver. Score.	ELA Course Prog.	Math Course Prog.	Manage
Frank	Armajo	7	0.42	4	3	95 %	0/0	3/60	Edit
Kayden	Carson	7	0	0	0	0 %	n/t	0/60	Edit

- 1) Click on the "Usage" tab.
- 2) Using the quick pop-up filters, enter in a date range such as "last 7 days" or "last 30 days."
- 3) The student's usage shows up in hours. We see that Frank has 0.42 hours of use.
- 4) Frank has completed three unique lessons and attempted four. This means he is probably in progress in his fourth lesson. Alternatively, when students start doing review, the number of attempts goes up as they rework past lessons to get a higher score.
- 5) Frank's average score is 95%.
- 6) Frank has completed three lessons out of 60 in his *Math Edge* course.

Step Five: Here is the detailed view of a student's *Edge* assignments. A teacher can view specific time on task and scores and make adjustments to current lesson assignments.

Math Edge Assignments for Frank Armajo

- Lessons with a blue background are recommended.
- The (numbers) next to a lesson represent the order in which the lesson will be given to the student.

Lesson #	Lesson ID	Assignments	Title	Last Played	Times Played	Minutes Played	Score
1	G1 L52	<input checked="" type="checkbox"/>	Measure Length	08/15/2016 14:45:28	1	7	100
2	G1 L53	<input checked="" type="checkbox"/>	Multiple Measures	08/15/2016 14:49:48	1	4	89
3	G2 L9	<input checked="" type="checkbox"/>	Grouping Tens	08/15/2016 15:00:06	1	11	96
4	G2 L38	<input checked="" type="checkbox"/>	Subtract 2-Digit	08/15/2016 15:02:01	1	3	
5	G2 L49	<input checked="" type="checkbox"/>	Length Word Problems				
6	G2 L60	<input checked="" type="checkbox"/>	Section Challenge 2				

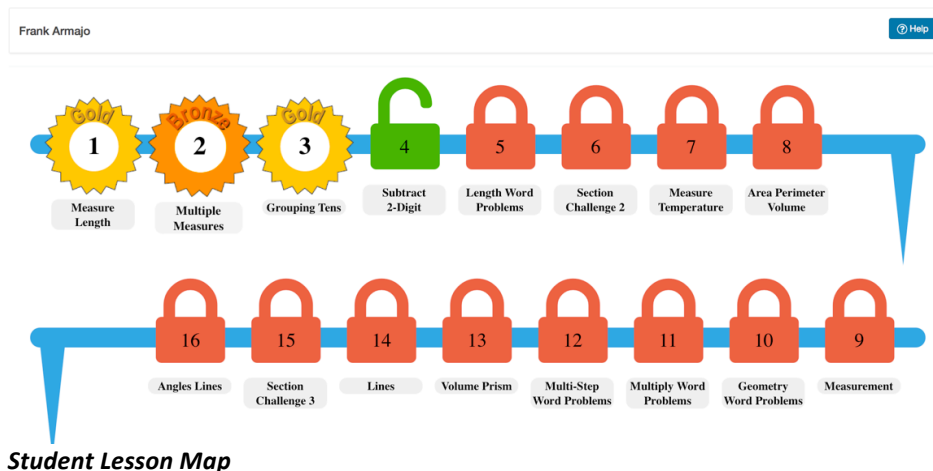
Note: Teachers and principals can also go to the <Reporting> menu and select "Data Portal." Under Exports, an "instructional usage" report can be run to get detailed usage in a spreadsheet format.

Using *LGL Edge*!

IMPORTANT: How You Should Introduce *LGL Edge*!

All *LGL Edge* lessons use a combination of music, animations, and/or artwork to engage students. For middle or high school students, it is important to introduce the fact that *LGL Edge* is being used because research has shown that multiple forms of media make learning easier, especially with difficult topics. Highlighting this point will pre-empt objections that some older students may have if they interpret the lessons as childish.

Student Login: When students log in for the first time, the system will provide audio instructions. In the example below, the student is directed to click on the "open" padlock. The open green padlock is this student's current lesson. Every one to two weeks, students should be guided by teachers to click on any "Bronze" or "Silver" badge in order to get their achievement up to a "Gold" level. "Bronze" and "Silver" badges will flash for easy identification.



Behaviors of *LGL Edge*

- Students must get 75% or higher or they will repeat the lesson.
- When students complete a lesson, they must let the system push them back to the "Lesson Map" shown above. Hitting the exit button early may prevent the end of lesson scores from being recorded.
- If students do not complete a lesson, they will repeat it when they log in next.
- When students do not complete a lesson, usage is only recorded when they hit the exit button, so instruct them not to just close their browsers.
- Students cannot review a "Bronze" or "Silver" completed lesson until two days have passed. This is to ensure that they haven't just committed the activity to short-term memory.
- Students are given lessons in order. Teachers cannot change this order, but they can turn lessons on or off by editing students' courses from the <Edge 2.0> tab.
- Section and Final Challenges can have scores over 100, up to 200! This can be a fun way to get students to compete for the high score. Post the highest "Challenge" scores on a wall. Leave off the specific challenge number, though.