



Using *ADAM* for Blended Learning and Flexible Grouping at the Classroom Level

Overview: *ADAM* has a total score, five strand scores, and 44 individual sub-test scores. The total and strand scores are summative scores, meaning they are taking data and rolling it up, so these will NOT be very useful for teachers. Teachers will need to use the individual sub-test scores since they are linked to specific skills within an instructional scope and sequence. Strand scores could, however, be used to create broader groups when daily or weekly flexible grouping is not practical.

This documents covers the following topics:

#1: Using the *ADAM* Instructional Placement Report

Use: Daily. Breaks students into flexible groups based on the lesson of the day.

#2: Use Summary Report to Drive Flipped Classroom Review for Students

Use: Weekly. Serves as a way to provide student-driven scaffolding prior to weekly topic utilizing Khan Academy, which provides free instructional videos.

#3: Use the Assignment Tool to Assign Custom Lessons to One or More Students in Your Class

Use: Create custom lesson assignments for students to help target individual student needs or group student needs, or for scaffolding prior to classroom whole-group lessons.

#4: Use *LGL Math Edge* as Automatic Intervention (Optional Product)

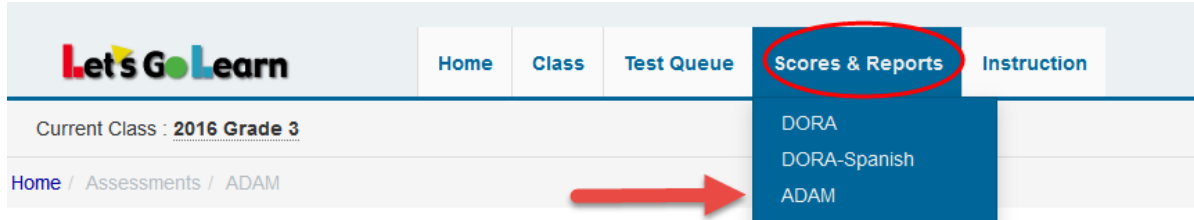
Use: Daily or weekly. Targets students' lowest skills first, which individually fills students' skills-gaps and gets them up to grade level as quickly as possible.

Additional Tips for Teachers:

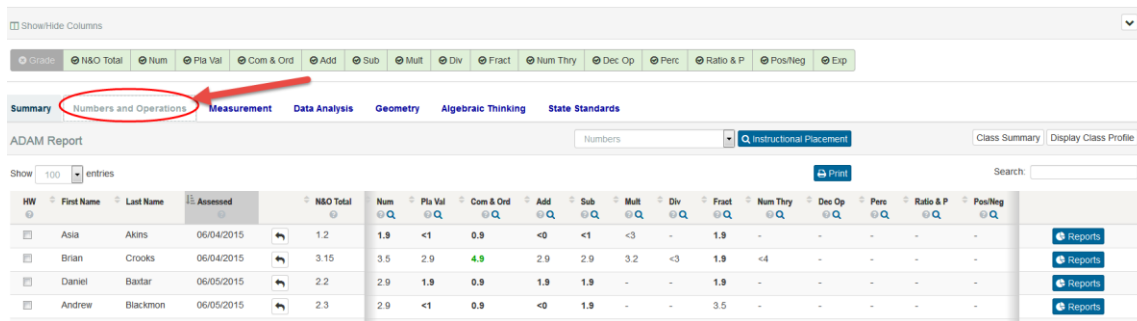
- If students have taken multiple tests, look at their previous tests to confirm low scores. If scores suddenly drop, the student may not have tried his or her best in the latest test administration.
- Read the admin script to students so that they know to move on when encountering math concepts unfamiliar to them.
- Walk the lab as students test. Be sure students don't linger. If they are fatigued, stop them.
- Have an alternative activity for students ahead of time so that they don't disturb their peers who may still be testing.

1: Using the ADAM Instructional Placement Report

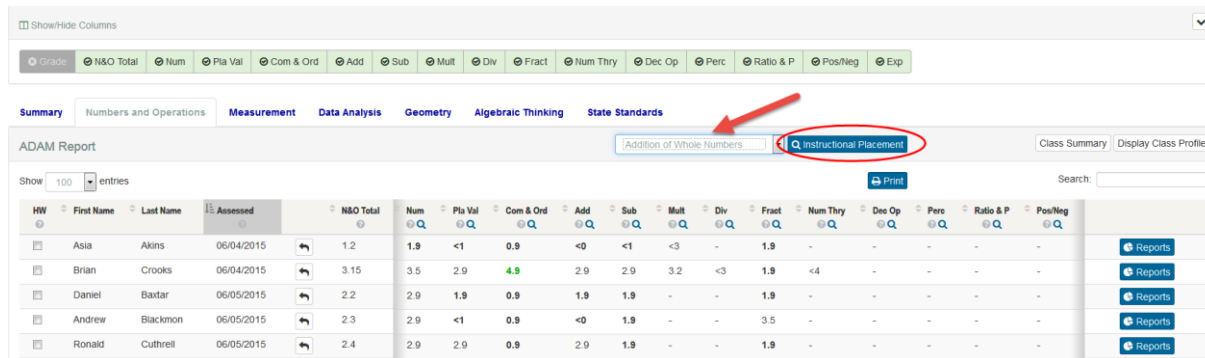
Step 1: Go to the ADAM assessment page.



Step 2: Along the strand tabs, select a specific strand you would like to view, such as “Numbers & Ops.”



Step 3: Now select a specific sub-test, such as “Addition of Whole Numbers,” and click on the <Instructional Placement> button.



Step 4: Use the resulting page to target specific skills by small groups. Brian, Ronald, Kylee and Ian are working on “Adding multi-digit numbers with regrouping”.



#2: Summary Report to Drive Flipped Classroom Review for Students

Step 1: Print out a summary report for each student. Go over the report with the student, pointing out quarterly areas of focus. See marked-up report. Give a copy to the student and hold on to a copy for yourself.

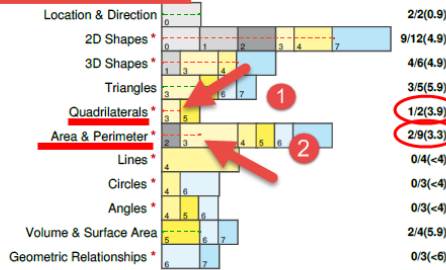
Student: _____
Assessment Date: 05/29/2018
Age: 12 yrs 6 months
Grade: 6.8

Teacher: _____

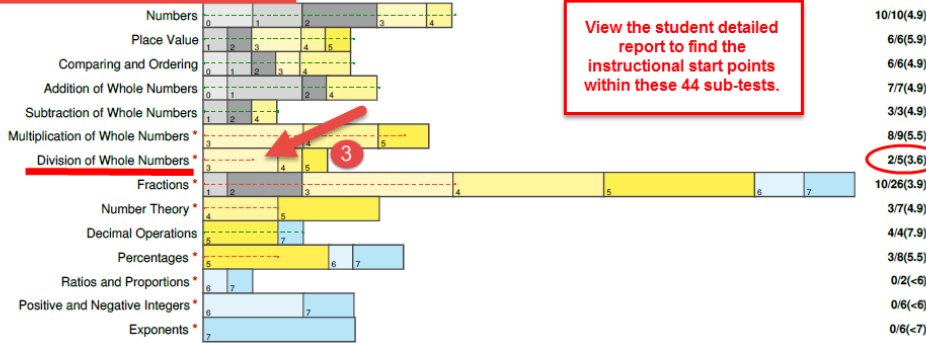
Summary Scores (Score Ranges by grade)

	K	1	2	3	4	5	6	7	Raw Score	Grade Level
Numbers and Operations										
1-4	5-13	14-22	23-41	42-61	62-83	84-91	92-105	82	5.04	
Measurement										
1-2	3-4	5-12	13-18	19-26	27-31	NA	32-34	16	3.57	
Data Analysis										
1-1	2-4	5-9	10-12	13-16	17-21	22-27	28-36	16	4.8	
Geometry										
1-4	5-7	8-10	11-19	20-30	31-36	37-44	45-53	23	4.31	
Algebra										
1-1	2-4	5-6	7-13	14-20	21-25	26-31	32-43	23	5.5	
TOTAL										
0-12	13-32	33-59	60-103	104-154	155-196	197-224	225-271	140	4.71	

Geometry Strand (sub-tests)



Numbers and Operations Strand (sub-tests)



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

In this hypothetical case, the student is at the end of 6th grade. The student the furthest behind in "Quadrilaterals," "Area & Perimeter," and "Division of Whole Numbers." If the teacher is going to cover some division topics, it might benefit this student to watch a few Khan videos prior to receiving the classroom lesson.



Step 2: A student logs into Let's Go Learn and clicks on "START" next to Khan..

The screenshot shows a blue header with the word "Instruction". Below it is a white card for "Khan Adam 2.0" with a leaf icon on the left and a "START" button on the right.

Step 3: The student knows to follow the priority areas marked up on his or her summary report. In this case, the student will look for the "Numbers & Operations" strand and then the "Fractions" sub-test. The student will do the lessons in order: lesson 1, 2, 3, etc.

The screenshot shows a summary report with five categories: Numbers and Operations, Measurement, Data Analysis, Geometry, and Algebraic Thinking. Each category has a bar chart showing 'High Needed', 'Medium Needed', and 'Low Needed' counts. A red arrow points to the 'Numbers and Operations' category. Below this is a table titled "Lessons" with columns: Sub-test, Lesson, Priority, Minutes Played, Number of Views, and Last Viewed On. The "Division of Whole Numbers" sub-test is circled in red. The table lists lessons for "Multiplication of Whole Numbers" and "Division of Whole Numbers", all with a "High" priority.

Sub-test	Lesson	Priority	Minutes Played	Number of Views	Last Viewed On
Multiplication of Whole Numbers	Lesson 1	High	0	0	
	Lesson 2	High	0	0	
	Lesson 3	High	0	0	
	Lesson 4	High	0	0	
Division of Whole Numbers	Lesson 1	High	0	0	
	Lesson 2	High	0	0	
	Lesson 3	High	0	0	

* Teachers can monitor whether a student clicked on links by going to the <Instruction> tab, clicking on "Khan," and clicking on "Usage."

The screenshot shows the navigation menu with "Instruction" circled in red. Below it is the breadcrumb "Home / Instruction / Khan / Usage". The "Usage" page is shown with "Usage" circled in red. There is a "Filters" section with a "By Series" dropdown menu set to "All".

#3: LGL Math Edge as Automatic Intervention

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

Step Two: On the "Enroll/Edit" tab, you can start by enrolling students into *Math Edge*. In addition, you can edit any student's personalized course after he or she has begun doing lessons.

Edge Curriculum

Overview **Enroll/Edit** Current Course Usage All Edge Usage Class Map [Link](#) Rankings Whiteboard

Filters

Curriculum
Math Edge

Actions

Enroll Class In Adjust Class Status Two day review Gold lesson review

Students

Show 250 entries print

First Name	Last Name	Grade	Curriculum	Last Assessed	Enrolled With	Status	2 Day Review	Gold Review
CHRISTOPHER	WILLIAMS, JR	3	ME	ADAM: 05/31/2018	ADAM: 09/18/2017	<input type="button" value="On"/> <input type="button" value="Off"/>	<input type="button" value="On"/> <input type="button" value="Off"/>	<input type="button" value="On"/> <input type="button" value="Off"/>
JAMARIA	WHITEHEAD	3	ME			<input type="button" value="Enroll"/>		
MIISAUN	TOURE	3						

- 1) The "Last Assessed" column shows when the student last completed an assessment. If students have not taken an assessment within the last 120 days, the automatic assignments will not work because our system needs a "current" assessment for accurate course building.
- 2) Click on the <Enroll> button; the button will then change to an <Edit> button after the student enrolled.
- 3) Once students are enrolled, you can toggle the course ON or OFF. This will either hide or show the "Edge" activity icons when students log into Let's GoLearn.
- 4) You may also toggle the course ON and OFF for the whole class next to "Adjust Class Status."

Step Three: When clicking the <Enroll> button, you will see “Enroll Options” and the recommended course based on the most recent assessment your student completed. You may click on “edit” prior to enrolling to see the customized lessons chosen for your student.

Enroll Options x

Series	Recommendation	Assessment Date
<input type="radio"/> PreAlgebra	No Alignment	
<input type="radio"/> Algebra	No Alignment	
<input checked="" type="radio"/> ADAM K-7	Recommended - [edit]	2018-06-01 15:10:07.084527
<input type="radio"/> Lesson Sets	<input type="text" value="Select"/>	

- 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 an Edge course.

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

<input type="checkbox"/> Multiply Basics	<input type="checkbox"/> Equivalent Fractions	<input type="checkbox"/> Multiply Word Problems
<input type="checkbox"/> Multiply Arrays Grid	<input checked="" type="checkbox"/> Measure Temperature ²	<input checked="" type="checkbox"/> Multi-Step Word Problems
<input type="checkbox"/> Triangles	<input type="checkbox"/> Mult Facts Challenge	<input type="checkbox"/> Volume Prism
<input type="checkbox"/> Division Basics	<input type="checkbox"/> Area Perimeter Volume	<input type="checkbox"/> Reduce Fractions
<input type="checkbox"/> Fractions Number Line	<input type="checkbox"/> Measurement	<input type="checkbox"/> Section Challenge 3
<input type="checkbox"/> Division Unknown Factor	<input type="checkbox"/> Multiply by 10s	<input type="checkbox"/> Rounding 10s 100s 1000s
<input type="checkbox"/> Order to 1000	<input type="checkbox"/> Geometry Word Problems	<input type="checkbox"/> Lines
<input type="checkbox"/> Mult Facts 1-5	<input type="checkbox"/> Multiply Properties	<input type="checkbox"/> Angles Basics
<input type="checkbox"/> Mult Facts 6-10	<input type="checkbox"/> Multiply by 1 Digit	

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- 1) For this student, the lowest level of lessons is "Grade 3."
- 2) The titles in blue are recommended based on the latest assessment. A teacher may uncheck any recommended lesson or check any lesson not recommended.
- 3) Clicking on the other tabs shows the teacher the other lessons assigned to this student that fall into higher instructional grade levels.
- 4) When the teacher is confident that placements are correct, he or she may click on the <Enroll Student> button.