

ALEKS - FORMATIVE AND SUMMATIVE

TIME SAVING ASSESSMENTS

MONICA LAIRD

FAIRVIEW HIGH SCHOOL

ALGEBRA I (HONORS AND STANDARD)



- How many students do you teach?



- How many students do you teach?
- How many of those students need to learn *ONE* standard better?



- How many students do you teach?
- How many of those students need to learn *ONE* standard better?
- How about the students that need to learn ten or more standards better?



- How many students do you teach?
- How many of those students need to learn ONE standard better?
- How about the students that need to learn ten or more standards better?
- How many students need to be elevated academically?



- How many students do you teach?
- How many of those students need to learn ONE standard better?
- How about the students that need to learn ten or more standards better?
- How many students need to be elevated academically?
- Where do you keep that data and how much time did it take you?

SOME MOST COMMON OPTIONS...

- Homework
- Gradebook: Using an overall academic score
- Universal Screener: for example, STAR MATH
- Countywide Assessments: Benchmarks, Common Formative/Summative
- Entrance and Exit Tickets: Daily or Weekly
- Classroom Level: Quizzes, Unit Assessments, Exams
- Informal: Bellringers, Conversations, Questioning
- Projects (PBL - Project Based Learning)
- Tasks or CRA- Constructed Response Assessments

PROBLEM WITH THOSE OPTIONS...

- *Teacher Initiates*
- *Teacher Finds Material*
- *Teacher Formats the Material*
- *Teacher Copies or Posts Material*
- *Teacher Grades*
- *Teacher Analyzes the Results*

.....OH, and all the above
are at different mastery levels.

“When I have spare time,
I catch up on things I’ve
had to postpone due to
lack of time”





-Steve Wozniak



STUDY ISLAND



A proven K-12 practice and assessment tool

-  State standards-aligned programs to drive proficiency
-  High-stakes assessment preparation
-  Customizable classroom assessments and flexible practice
-  Real-time progress monitoring to track student outcomes





More Learning

Study Island for Home enhances learning and helps your child master math, ELA, and science skills. It helps your child catch up or stay ahead while reinforcing what has been learned.



Built-in support reinforces the "hows" and "whys" of each lesson



Informative support resources help students explore content areas of interest to them



Topic maps give your child the ability to decide what he or she wants to learn next

More Fun

Study Island for Home makes learning fun! It provides a unique environment that captures your child's attention, holds their interest, encourages progress, and keeps them engaged while enhancing—not distracting from—learning.



Built-in games ensure that your child is engaged in learning

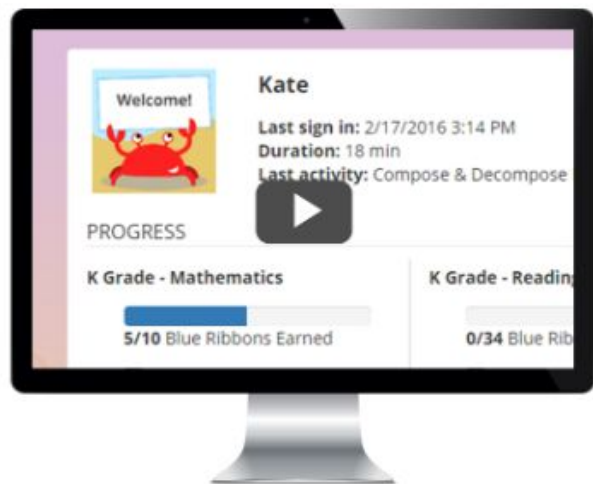


Experience points, coins, badges, and other incentives enrich your child's experience






Animations capture your child's attention and help him or her retain what is learned





More Success

It's the combination of learning and fun that leads to success. You'll not only be able to see how your child is performing but also how he or she is using the program.

-  Identify strengths and weaknesses by topic within a subject area
-  Measure and track your child's overall progress within the program
-  Customize your child's learning experience and track his or her progress against specific goals

The logo for EduLastic, with 'Edu' in green and 'lastic' in black.

EDULASTIC

- QUESTION BANK
- ONLINE TRAINING FOR ONLINE TESTING
- IMMEDIATE FEEDBACK FOR BOTH STUDENTS AND TEACHERS
- IMMEDIATE ROBUST DATA (GROUPING, ITEM ANALYSIS)

GRADE CAM



- TEACHER CREATES
- ONLINE OR PAPER ANSWER SHEETS
- STUDENT/TEACHER GRADES
- SOFTWARE ANALYZES
- TEACHER CREATES NEW CONTENT



KHAN ACADEMY

- SOFTWARE CREATED
- SOFTWARE ANALYZES
- STUDENTS CAN EASILY BOUNCE FROM TOPIC TO TOPIC
- ALL OR NOTHING CONCLUSIONS

Algebra I

MISSION PROGRESS



[Why does it seem like I lost progress?](#)

[Hide skill breakdown](#)

Mission foundations



Algebra foundations



Solving equations



Solving inequalities



Students can see where they are:

18

- Dial
- Percentage
- 5 Tiered Mastery Goals
- Colored Standard Lines

→ Khan Academy add items and remove items at random throughout the year.

→ No Filter to eliminate items.

ALEKS

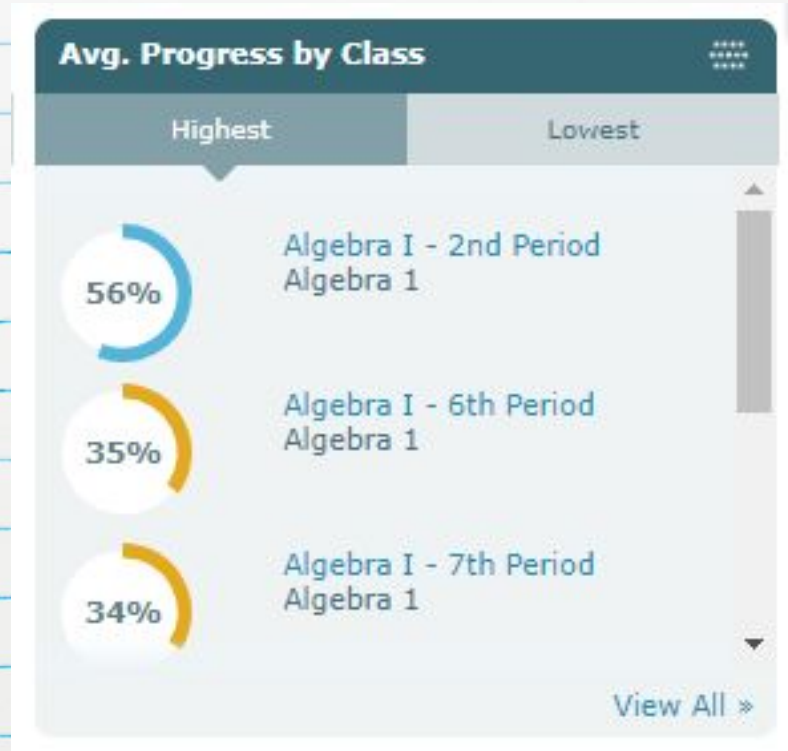
ALEKS®

19

- TEACHER: SETS WHICH STANDARDS TO INCLUDE/EXCLUDE
- SOFTWARE: INITIAL KNOWLEDGE CHECK
- SOFTWARE: SETS STUDENT LEVEL BY STANDARD
- SOFTWARE: MONITORS STUDENT GAPS
- SOFTWARE: GROUPS STUDENTS BY CLASS
- SOFTWARE: PROMPTS UPDATE KNOWLEDGE CHECK AFTER 11 HOURS
- SOFTWARE: PROVIDES ROBUST DATA

Compare Classes

- *Competitions*
 - *Rewards*
 - *Planning*
- *Teacher Level Progress*



Class Information

Algebra I - 4th Period 25

Class Code: ...
 Class Duration: 09/17/18 - 09/16/19
 Course Product: Algebra 1
 Class Grade: 9th Grade
 Instructor: Monica Laird

[Class Summary »](#)

ALEKS Pie Report

31%
Progress
 153 of 494 Topics

Select slice to see mastery.

[View Full Report »](#)

Time and Topic - Learning Mode

3M 1M 2W 1W

February 16 - February 22

Legend [View Full Report »](#)

Students Not Recently Logged In

More than	-	7	+	days	
W...		Dalton		12/14/2018	<input type="checkbox"/>
T...		Emily		01/10/2019	<input type="checkbox"/>
K...		Katlynn		01/10/2019	<input type="checkbox"/>
B...		Bishop		01/31/2019	<input type="checkbox"/>
J...		Jordan		02/13/2019	<input type="checkbox"/>
L...		Lucas		02/14/2019	<input type="checkbox"/>

[Class Roster »](#)

Progress Overall

Highest	Lowest		
H...	1	57%	<input type="checkbox"/>
S...	2	53%	<input type="checkbox"/>
S...	3	45%	<input type="checkbox"/>
C...	4	45%	<input type="checkbox"/>
A...	5	43%	<input type="checkbox"/>
A...	6	39%	<input type="checkbox"/>

[View All »](#)

Ready to Learn

Identifying correlation and causation	92% >
Writing an inequality for a real-world situation	76% >
Finding x- and y-intercepts of a line given the equation: Basic	72% >
Finding slope given the graph of a line in quadrant 1 that models a real-world situation	72% >

[View All »](#)

Number of Students: 25

Logged-in Students: 0

Send Message to Selected Students

All	Name (Login Student Id)	Performance Course Progress Show: Percent / Topics	Knowledge per Slice									
			Arithmetic Readiness (85 topics)	Real Numbers (71 topics)	Linear Equations (52 topics)	Linear Inequalities (29 topics)	Functions and Lines (114 topics)	Linear Systems (24 topics)	Exponents and Exponential Functions (80 topics)	Polynomials and Factoring (25 topics)	Quadratic Functions and Equations (32 topics)	Data Analysis and Probability (22 topics)
1		150 +35 / 494 topics	48+7 / 85	49+7 / 71	22 / 52	1+7 / 29	18+8 / 114	0 / 24	7+8 / 80	0 / 25	0 / 32	5 / 22
2		145 +10 / 494 topics	46+6 / 85	44 / 71	18 / 52	8 / 29	19+3 / 114	1 / 24	2+1 / 80	0 / 25	0 / 32	7 / 22
3		94 +19 / 494 topics	35+8 / 85	29+9 / 71	7+2 / 52	2 / 29	12+2 / 114	0 / 24	1 / 60	0 / 25	0 / 32	8 / 22
4		107 +14 / 494 topics	38+3 / 85	39+6 / 71	10+4 / 52	1 / 29	13+1 / 114	0 / 24	1 / 60	0 / 25	0 / 32	5 / 22
5		102 +2 / 494 topics	29+1 / 85	42 / 71	11 / 52	3 / 29	10+1 / 114	0 / 24	1 / 60	0 / 25	0 / 32	6 / 22
6		133 +21 / 494 topics	37+7 / 85	45+7 / 71	16+3 / 52	3 / 29	18+2 / 114	1 / 24	3+2 / 80	0 / 25	0 / 32	10 / 22
7		190 +22 / 494 topics	54+4 / 85	55+2 / 71	24 / 52	10+2 / 29	25+8 / 114	1+1 / 24	11+3 / 80	0+2 / 25	0 / 32	10 / 22
8		108 / 494 topics	40 / 85	33 / 71	6 / 52	2 / 29	16 / 114	0 / 24	3 / 60	0 / 25	0 / 32	8 / 22
9		210 +13 / 494 topics	62+2 / 85	56+4 / 71	28 / 52	10 / 29	33+1 / 114	2+1 / 24	9+4 / 80	2+1 / 25	0 / 32	8 / 22
10		257 +23 / 494 topics	64+1 / 85	69 / 71	32+3 / 52	13 / 29	41 / 114	6 / 24	12+16 / 80	6 / 25	1+1 / 32	13+2 / 22
11		157 +13 / 494 topics	45+4 / 85	49+2 / 71	20+1 / 52	6 / 29	25+4 / 114	0 / 24	6+1 / 80	0 / 25	0 / 32	6+1 / 22
12		47 +15 / 494 topics	12+2 / 85	21+11 / 71	1+2 / 52	1 / 29	8 / 114	0 / 24	0 / 60	0 / 25	0 / 32	4 / 22
13		147 +41 / 494 topics	44+15 / 85	47+10 / 71	21 / 52	5+3 / 29	21+5 / 114	0 / 24	4+5 / 80	0+1 / 25	0 / 32	5+2 / 22
14		179 +14 / 494 topics	52+3 / 85	54+2 / 71	21+3 / 52	7 / 29	28+1 / 114	1+3 / 24	5+1 / 80	0 / 25	0 / 32	11+1 / 22
15		107 +5 / 494 topics	30+1 / 85	38+1 / 71	11+1 / 52	1 / 29	16 / 114	0+1 / 24	4+1 / 80	0 / 25	0 / 32	7 / 22
16		158 +15 / 494 topics	48+8 / 85	52+7 / 71	10+1 / 52	6+8 / 29	22+8 / 114	0 / 24	6+4 / 80	0 / 25	0 / 32	6+2 / 22

Legend: Content mastered based on the assessment (■), Progress made in Learning Mode (■),
Content that is not yet mastered (■), Not assessed in this course (■), student currently taking an assessment (*)

Class Information

Algebra I - 2nd Period 24

Class Code: 46776
 Class Duration: 10/10/18 - 10/09/19
 Course Product: Algebra 1
 Class Grade: 9th Grade
 Instructor: Monica Laird

[Class Summary »](#)

ALEKS Pie Report

57%
Progress
 281 of 494 Topics

Select slice to see mastery.

[View Full Report »](#)

Time and Topic - Learning Mode

3M 1M 2W 1W

February 16 - February 22

[View Full Report »](#)

Students Not Recently Logged In

More than **7** days

Walt, Ethan	01/23/2019	<input type="checkbox"/>
Walt, Luke	02/13/2019	<input type="checkbox"/>

[Class Roster »](#)

Progress Overall

	Highest	Lowest
1	Isabelle	97%
2	Thomas	83%
3	Shammah-Rapha	76%
4	Lila	67%
5	Ella	65%
6	Perry	64%

[View All »](#)

Ready to Learn

Vertical line test	88%
Writing a direct variation equation	83%
Solving a linear equation by graphing	83%
Finding a specified term of an arithmetic sequence given the first terms	83%



[View All »](#)

Send Message to Selected Students

All	Name (Login Student Id)	Performance Course Progress Show: Percent / Topics	Knowledge per Slice									
			Arithmetic Readiness (65 topics)	Real Numbers (71 topics)	Linear Equations (52 topics)	Linear Inequalities (29 topics)	Functions and Lines (114 topics)	Linear Systems (24 topics)	Exponents and Exponential Functions (60 topics)	Polynomials and Factoring (25 topics)	Quadratic Functions and Equations (32 topics)	Data Analysis and Probability (22 topics)
1		216 +16 / 494 topics	64 / 65	61+2 / 71	27+2 / 52	12+1 / 29	31+1 / 114	1+1 / 24	7+6 / 60	1+2 / 25	0 / 32	12+1 / 22
2		138 +41 / 494 topics	47+7 / 65	48+8 / 71	16+4 / 52	5+10 / 29	15+8 / 114	0 / 24	2+4 / 60	0 / 25	0 / 32	5 / 22
3		274 +32 / 494 topics	65 / 65	65+3 / 71	37+3 / 52	17 / 29	47+8 / 114	6+2 / 24	19+9 / 60	6+4 / 25	0 / 32	13+3 / 22
4		283 +33 / 494 topics	65 / 65	70+1 / 71	40+2 / 52	17+2 / 29	49+7 / 114	8+1 / 24	20+5 / 60	1+11 / 25	0 / 32	15+4 / 22
5		209 +13 / 494 topics	55 / 65	56 / 71	24+1 / 52	15+1 / 29	37+5 / 114	2 / 24	7+5 / 60	0 / 25	0 / 32	13+1 / 22
6		190 +33 / 494 topics	60+3 / 65	54+7 / 71	21+9 / 52	10+3 / 29	28+3 / 114	1 / 24	9+3 / 60	1+1 / 25	0 / 32	6+7 / 22
7		270 +15 / 494 topics	64+1 / 65	64+2 / 71	36+2 / 52	17 / 29	47+1 / 114	5+1 / 24	19+3 / 60	5+2 / 25	0+1 / 32	13+2 / 22
8		271 +17 / 494 topics	65 / 65	67 / 71	35+3 / 52	15+1 / 29	48+1 / 114	5 / 24	20+4 / 60	3+5 / 25	0 / 32	13+3 / 22
9		159 +38 / 494 topics	49+8 / 65	46+11 / 71	20+4 / 52	7+2 / 29	25+4 / 114	1+1 / 24	2+7 / 60	0+1 / 25	0 / 32	9 / 22
10		246 +25 / 494 topics	61+4 / 65	61+5 / 71	36 / 52	14+1 / 29	42+1 / 114	2+2 / 24	15+4 / 60	1+7 / 25	0 / 32	14+1 / 22
11		278 +52 / 494 topics	65 / 65	71 / 71	48 / 52	16+3 / 29	47+8 / 114	3+7 / 24	12+11 / 60	5+8 / 25	0+8 / 32	11+7 / 22
12		290 +8 / 494 topics	65 / 65	64+1 / 71	44+1 / 52	16 / 29	53+1 / 114	7+1 / 24	26+1 / 60	2+2 / 25	0 / 32	13+1 / 22
13		214 +32 / 494 topics	61+3 / 65	60+3 / 71	23+8 / 52	14+1 / 29	33+2 / 114	1 / 24	10+8 / 60	2+5 / 25	0 / 32	10+4 / 22
14		261 +14 / 494 topics	64+1 / 65	68+3 / 71	33+1 / 52	15+2 / 29	39+1 / 114	3 / 24	22+3 / 60	6+1 / 25	0 / 32	11+2 / 22
15		231 +25 / 494 topics	63+2 / 65	62+6 / 71	32 / 52	12+2 / 29	37+2 / 114	3+1 / 24	10+8 / 60	1+3 / 25	0 / 32	11+3 / 22
16		221 +10 / 494 topics	61+2 / 65	59+1 / 71	30+1 / 52	13 / 29	36+2 / 114	2 / 24	7+2 / 60	0+2 / 25	0 / 32	13 / 22

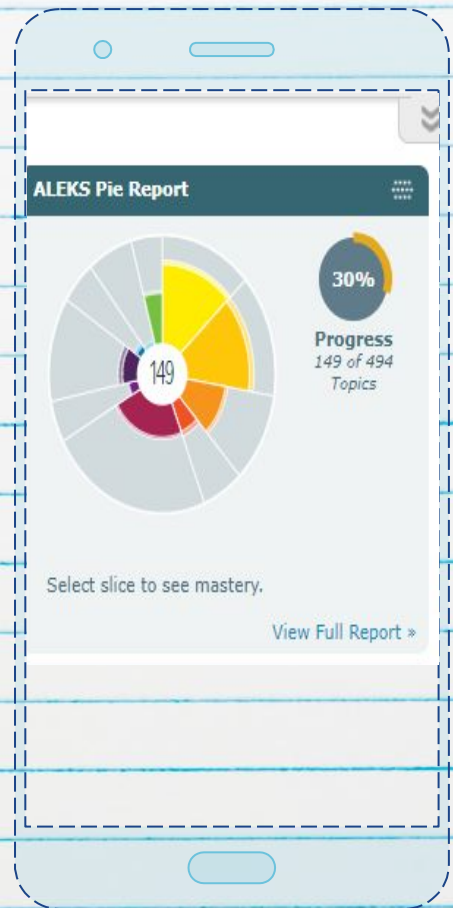
Legend: Content mastered based on the assessment (■), Progress made in Learning Mode (■), Content that is not yet mastered (■), Not assessed in this course (■), student currently taking an assessment (*)

	Progress ⓘ	Remaining ⓘ	Ready to Learn ⓘ	Attempted, Not Yet Learned ⓘ
Ordered Pairs (Progress 96%)				
• Reading a point in the coordinate plane	100%	0%	0%	0%
• Plotting a point in the coordinate plane	100%	0%	0%	0%
• Finding distances between points that share a common coordinate given the graph	88%	12%	0%	0%
Tables and Graphs of Lines (Progress 48%)				
• Function tables with two-step rules	84%	16%	12%	0%
• Table for a linear equation	76%	24%	8%	0%
• Writing a function rule given a table of ordered pairs: One-step rules	52%	48%	44%	4%
• Identifying solutions to a linear equation in two variables	36%	64%	32%	8%
2 students out of 25 (8%) have Attempted, Not Learned Yet this topic.			 Message Students	

 **Sherry, Hailey**
 **Sherry, Cody**

STUDENTS CAN USE IT ON THEIR PHONES, IPHONE AND IPADS!

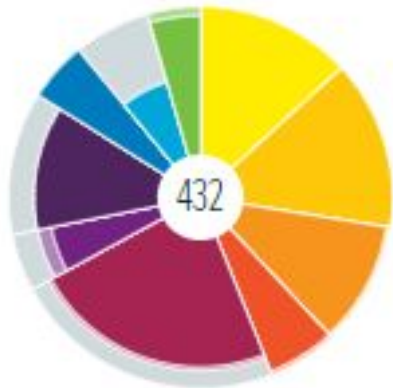
WHICH ALSO MEANS, ACCESSIBLE ON THE ROAD FOR ATHLETES AND ABSENT KIDDOS.



Students can monitor THEMSELVES

This is Belle's data as of this morning...

All Topics



421
Mastered

11
Learned

62
Remaining

Linear Inequalities

100%

29 of 29 Topics



28

Mastered

1

Learned

0

Remaining

Functions and Lines

82%

94 of 114 Topics



90

Mastered

4

Learned

20

Remaining

Linear Systems

75%

18 of 24 Topics



15

Mastered

3

Learned

6

Remaining

▶ Ready to Learn 44

▶ Learned 11

▶ Mastered 421

Students can monitor THEMSELVES

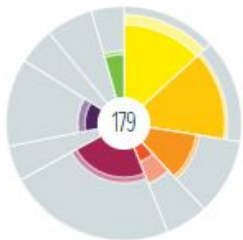
Jan 29

Download

Last Login	Enroll Date	Hours per Week	Total Time in this Class
02/21/2019	09/18/2018	0.8	18h 34m

This is Olivia's data as of this morning...

All Topics



148	31	315
Mastered	Learned	Remaining

Arithmetic Readiness

86%

56 of 65 Topics

46	10	9
Mastered	Learned	Remaining

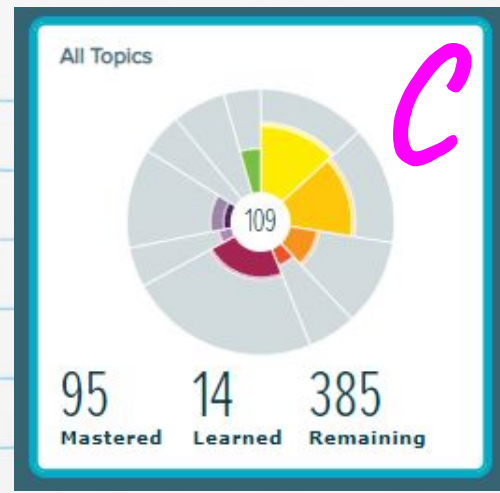
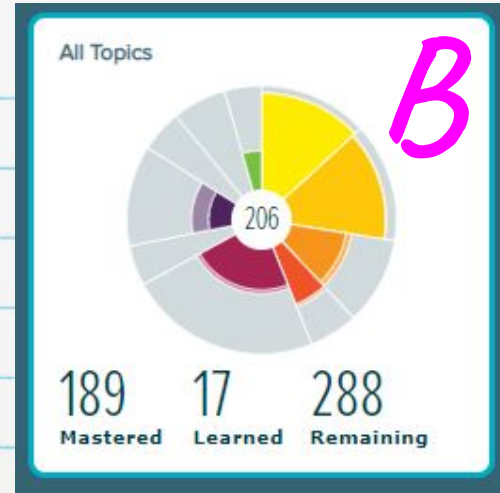
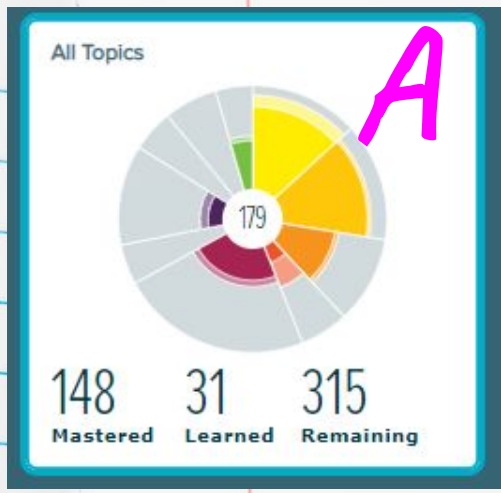
Real Numbers

77%

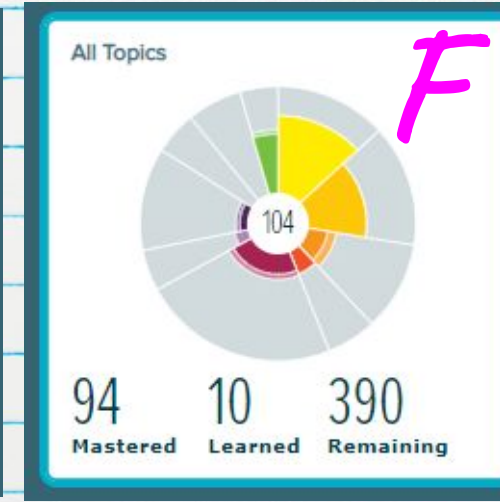
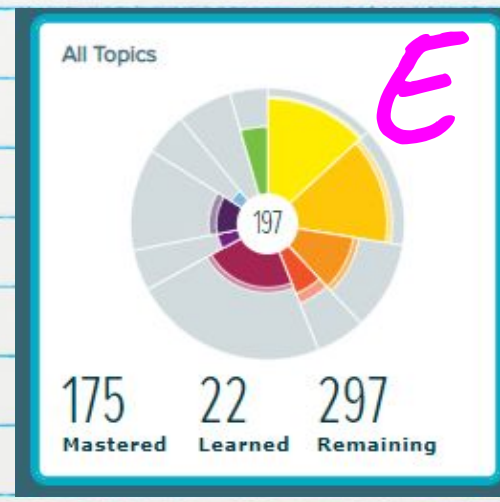
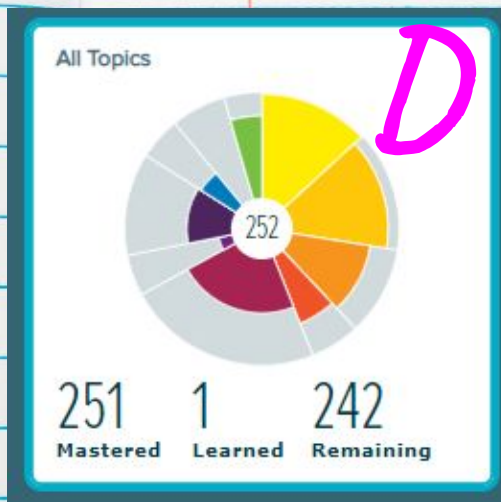
55 of 71 Topics

52	3	16
Mastered	Learned	Remaining

[Hide All Topics](#) [View All Topics](#)[Ready to Learn](#) 95[Learned](#) 31[Mastered](#) 148



*What
Do
You
See?*



Let's
Revisit...

- How many students do you teach?
- How many of those students need to learn ONE standard better?
- How about the students that need to learn ten or more standards better?
- How many students need to be elevated academically?
- Where do you keep that data and how much time did it take you?

Motivate the Inner Learner

- Tiered Membership Rewards or "Clubs"
 - Random Special Days
 - Grade, but must be attainable
- Content Recovery to fill the gaps or accelerate
- Team Competitions or Class Competitions



Spend more time ...

* TALKING about the data
with students rather than
analyzing it alone.

* LEARNING the content
instead of trying to figure out
who needs what.

* CELEBRATING SUCCESSES
of growth.



Any questions?

you can find me at

monica.laird@wcs.edu (work)

monicalaird@hotmail.com (personal)

