



# Two Programs



K-8 Standards Mastery, Assessment, & Instruction



Adaptive Learning for struggling and at-risk students best for grades 2-8



# Best Practices Guide

When students reach grade level mastery in Liftoff, go to...

Student Center – Manage Users – Program Selection

and activate Education Galaxy for those individual students. By the middle of the year, make sure that Education Galaxy is active for all students.

Scan this QR code to view a detailed implementation guide







### On-Grade Level Platform

Students work in "My Study Plan", either self paced or teacher directed.

### November

Students take on grade level Diagnostic Pre-Test. Results will provide individual learning plan.

### 30 days prior to testing

Students take Diagnostic
Post-Test on grade level.
Results will provide
recommended topics of focus.





### Adaptive Intervention Platform

First 2 weeks of school: Students take Adaptive Diagnostic for each strand area. May be staggered into step 2.

### Step 2

Diagnostic results will provide learning plan in "My Galaxies". Students work until all skills are at grade level.

## Step 3

When student reaches grade level mastery for all standards, switch over to Education Galaxy.

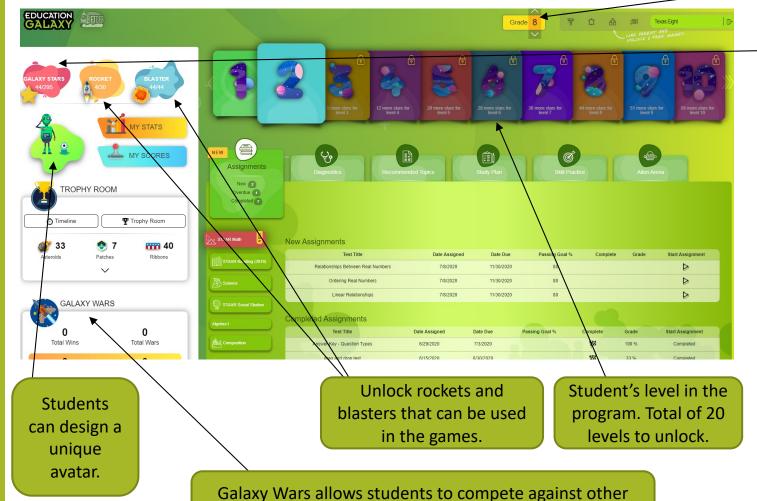
#### **Start Here:**

Students should start on Liftoff to measure & address learning loss and recover any skill gaps.

Note: Some students may benefit from keeping Liftoff active and also having Education Galaxy active. Students that are still working on filling in below grade level gaps can work in Liftoff during intervention time or tutoring but can also participate in mastering on-grade-level topics within Education Galaxy as they prepare for the on-grade-level state assessments.

### Middle School Student Interface

Students can move up or down 1 grade level.



students' game scores while working in their study plan.

Galaxy Stars unlock rewards for students.

**Assignments**: Optional section – teachers can use the test bank to build custom assessments, assign writing compositions and constructed-response assignments.

<u>Diagnostics</u>: Pre & Post test on all grade level standards

<u>Recommended Topics</u>: Individualized Learning Path from Diagnostics

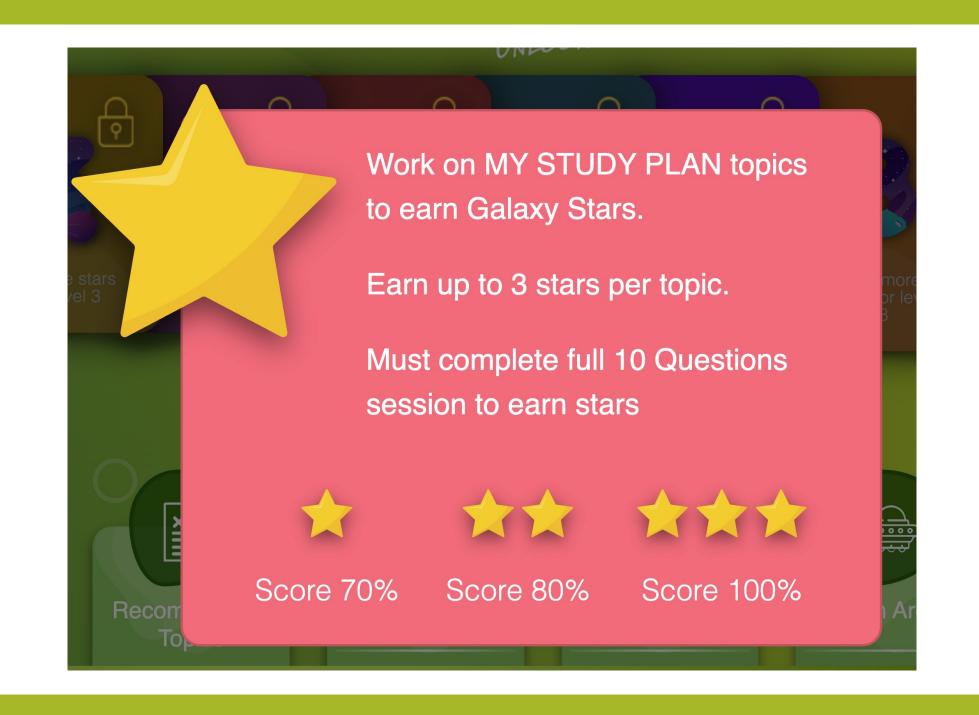
<u>Study Plan</u>: Lists all topics. Teacher directed or student self-paced

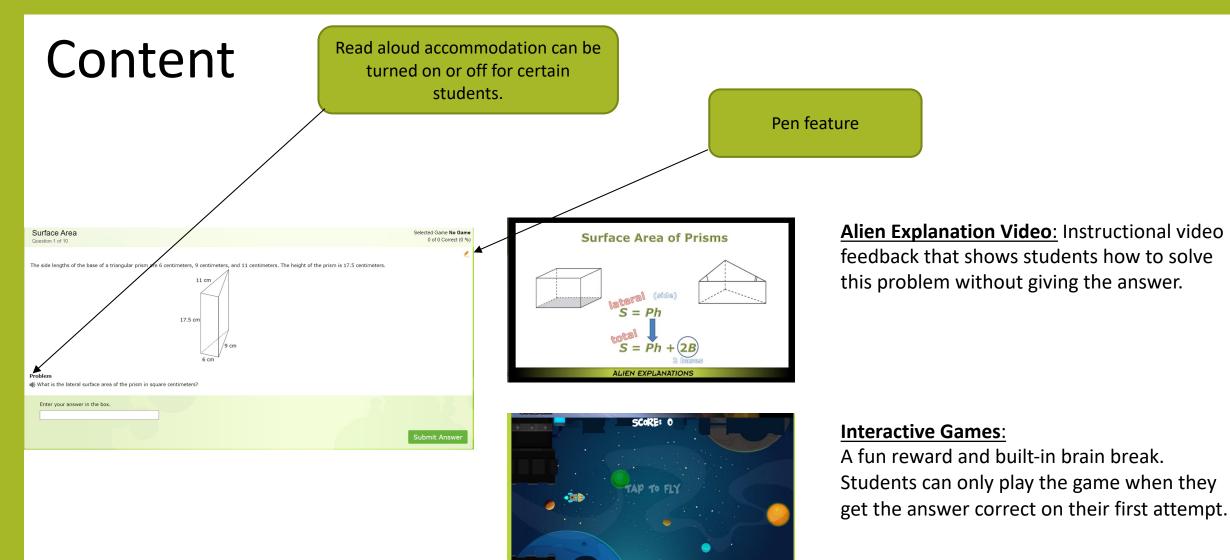
**Skill Practice**: Rocket game that helps with fluency

<u>Alien Arena</u>: Whole/small group instruction module that incorporates content, videos, and games.

EDUCATION GALAXY

educationgalaxy.com

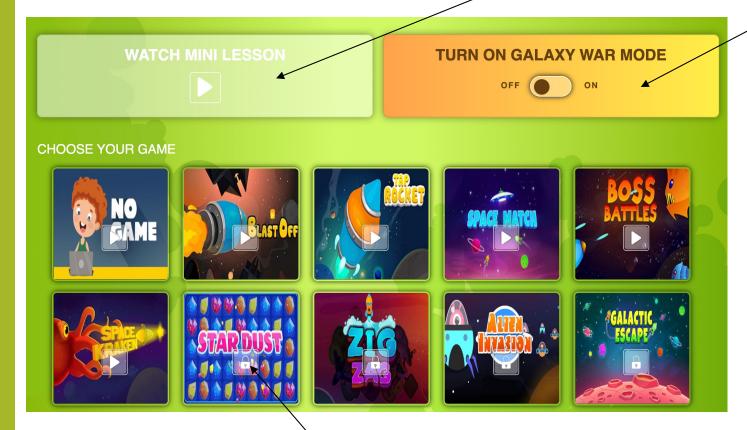






### Mini Lesson & Games

Watch the Mini Lesson to review the concept before answering questions



Students can unlock new games by

earning galaxy stars.

Galaxy Wars allows students to compete against other students' game scores while working in their study plan



Students get to choose which game they want to play as their reward when they answer questions correctly, on their first try. Students also get to choose a rocket they would like to use during the interactive games.



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### Study Plan: all standards organized by academic strand/domain

This section allows students to study and answer practice questions on each standard, as you teach them in class. This is also where we suggest you start with students in the Education Galaxy (on-grade level) Platform.

Students can work in the "Study Plan" section to get a score on topics they mastered during the diagnostic test.

Students can work to earn 3 Galaxy Stars for each standard.

Students can view status of performance for each standard:

- Mastered once 3 stars have been earned
- Study Again not yet mastered
- Not Started not practiced yet
- In Progress 10 question session started but not yet finished

Student can view the summary of completed sessions and review questions answered incorrectly to clarify their thinking and learn from mistakes.





## **NEW**

### Review Missed Questions

Students can review questions answered incorrectly at the end of a practice session.



#### ASSIGNMENT SUMMARY

#### Summary



2 STAR EARNED

Game Score

Session Score

Total Question

Total Correct

Missed

Time Spent 05:14

#### **Review Questions**

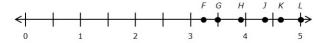


QuestionId

163599

Question

The points on the number line represent the values of six different numbers.



Which point best represents the value of  $\sqrt{19}$ ?

Your Answer

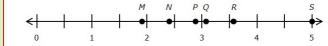
You got this correct

#### Ougetion

QuestionId 163595

100000

The points on the number line represent the values of six different numbers.



Which point best represents the value of √6?

A. Point N

. Point M

C. Point P

## Diagnostics: populates Recommended Topics

The pre-test should be administered mid-way through the year around

November – January is ideal. The pre and post tests are designed to be practice versions of your state test. There are 2 questions per standard on each test.

Giving it at the beginning of the year before students have been exposed to on-grade level content can be discouraging for students and doesn't yield actionable data.

educationgalaxy.com

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The post-test should be administered around 4-6 weeks prior to your state test. This will repopulate each student's recommended topics for study plan with enough time to address struggling areas before the state test.

Student Diagnostic
Report

### Recommended Topics: determined by the diagnostic

Once your class finishes a diagnostic test, an individualized learning path will be populated for each student in the "My Recommended Topics" section.

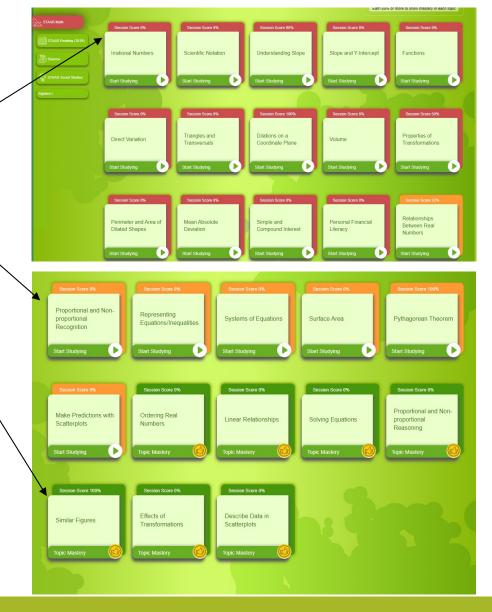
Red signifies the "Critical Need for Study" topic areas, this is determined by getting o/2 questions correct within the topic.

Yellow signifies the "Some Study Required" topic areas, this is determined by getting 1/2 questions correct within the topic.

Green signifies the "Mastery Shown" topic areas, this is determined by getting 2/2 questions correct within the topic.

Students can work in the "Study Plan" section to get a score on topics they mastered during the diagnostic test.

Students will not be able to work in the Recommended Topics until the pre-test diagnostic is completed for that content area.



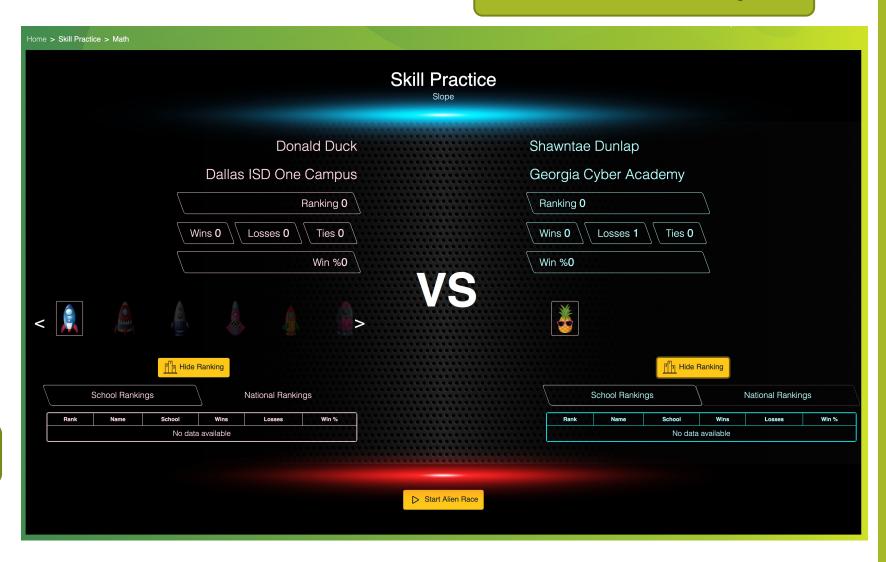


### **Skill Practice**

Picks random student to race against

Skills Practice
helps with
fluency in a fun
game-like way

School and National Rankings





## Liftoff – Student Homepage

Best for grades 2-8



Same fun features as Education Galaxy with galaxy stars, rockets, games, avatar, and alien cards



## Liftoff – Diagnostics

Not all diagnostic tests have to be taken to get started but the student must take at least one diagnostic to populate their individualized learning path in My Galaxies.

### **Diagnostics**

An adaptive diagnostic test in each strand in math and reading to find student's skill gaps vertically.

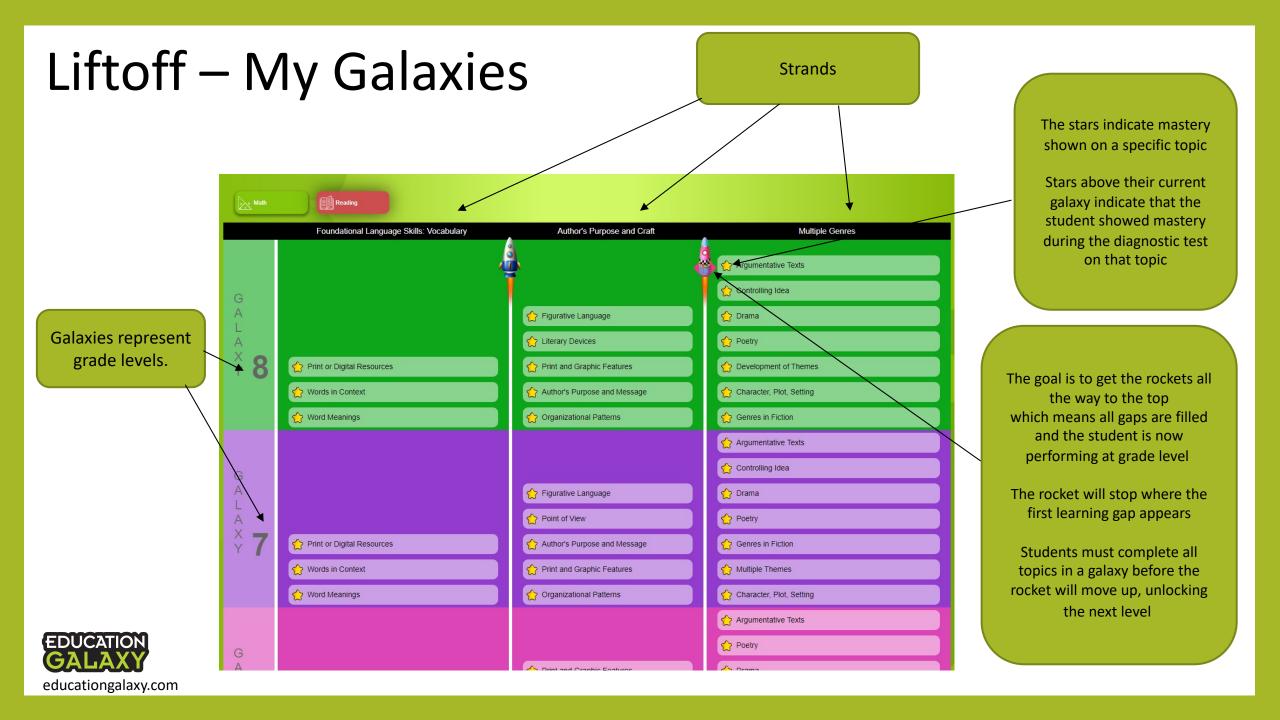
### My Galaxies

Individual learning path that populates after student takes a diagnostic test.



The diagnostic tests are adaptive and start with on-grade level questions, if a student misses a question the program will drop down in a vertical alignment of skills until we can identify their level of proficiency. My Galaxies will help work with them at their level to bring them up to grade level as quickly as possible.





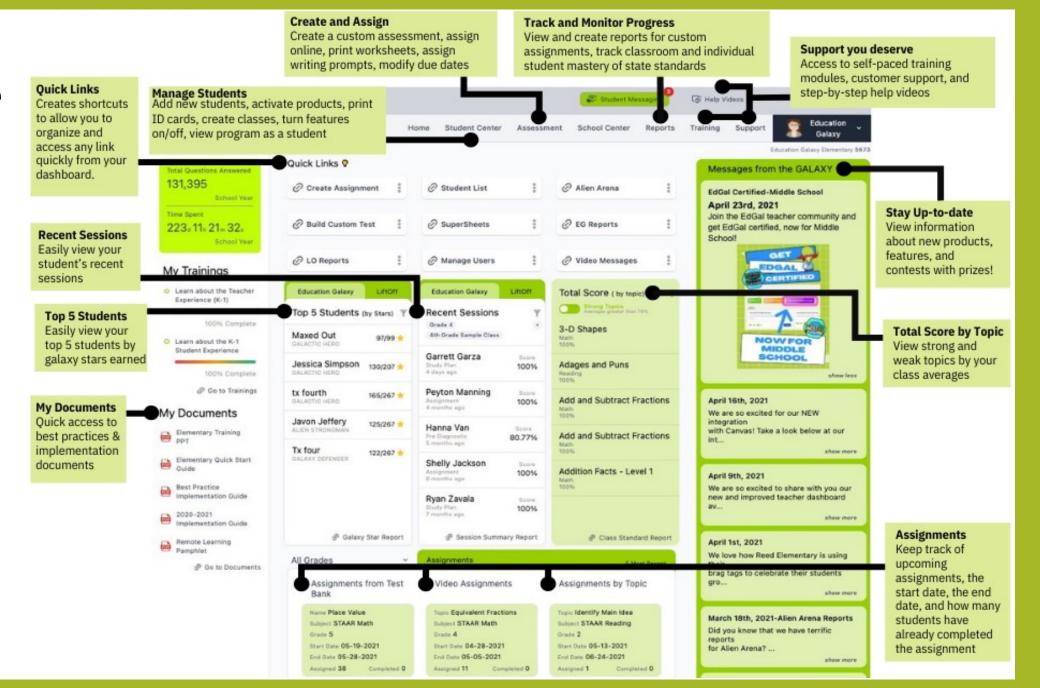
### Liftoff Questions All questions have Spanish translations Pen and highlighters Home > My Galaxies > Reading eedback for this Question X Game No Game Homophones 05:07 End Session Question 1 of 10 A<sub>ES</sub> Español Choose the homophone that best completes the sentence. Brynlee and Camryn ate many juicy hot dogs at the state fair. All questions can be read aloud. A O three D O to



Just like in Education Galaxy... if students answer incorrectly, they get immediate feedback and support with an Alien Explanation video. If they answer correctly on their first try, they get to play a quick game/brain break.

Submit Answer

### Teacher Homepage





### **Education Galaxy Connect App**

EDUCATION

Teachers and administrators can live monitor, pull reports to help plan data driven instruction with standards-based reporting, save time on grading and differentiate instruction in the simplest way.

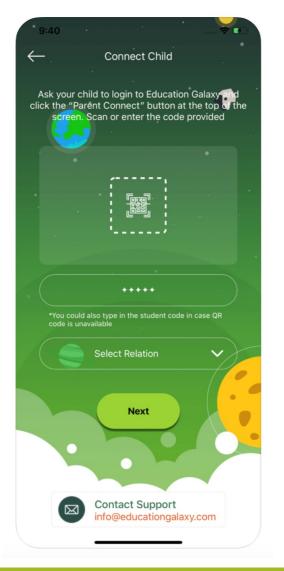
Parents can connect with their child's account will be able to pull reports and see exactly where their child is performing well and where their child may need extra help. Parents can set up notifications on student performance, activities, and Education Galaxy announcements.

Students will earn 2 new games and 10 free galaxy stars when they have a parent download the app and connect to their account.

Get IT ON Google Play



Directions for parents can be found in the parent letter on your teacher dashboard under the support tab







### Teacher Chat Feature

Within the gear icon teachers can enable or disable the chat feature and can set hours of availability and notification settings

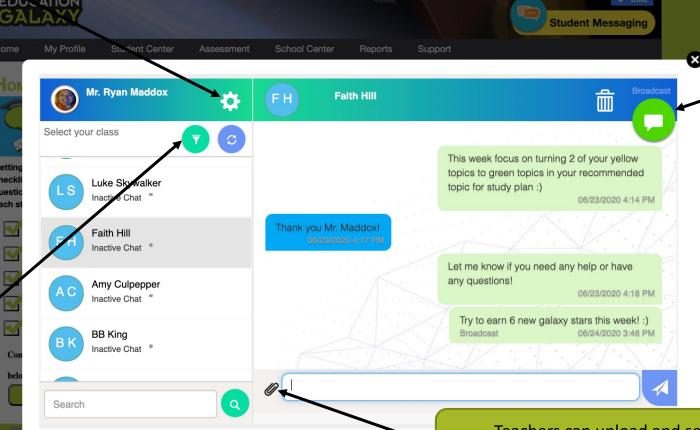
By default, chat is enabled with all accounts

Teachers can send individual chats to specific students, filter by class and select the student

EDUCATION GALAXY

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Students and Teachers will have a chat icon in the top right-hand corner of their home screens



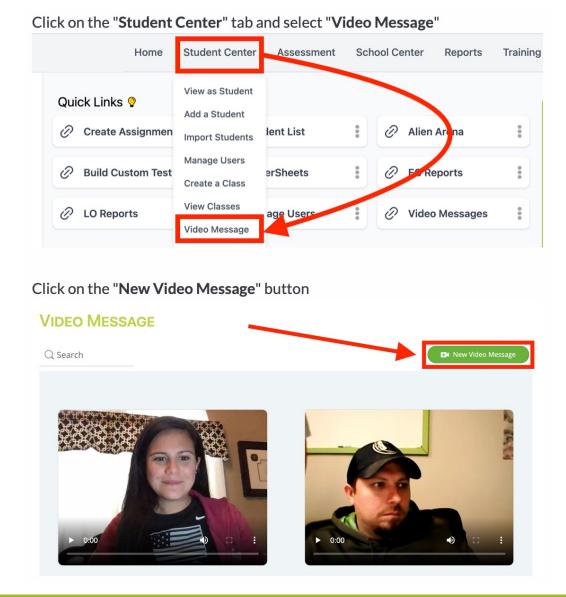
Details below:

Teachers can send broadcast messages to an entire class

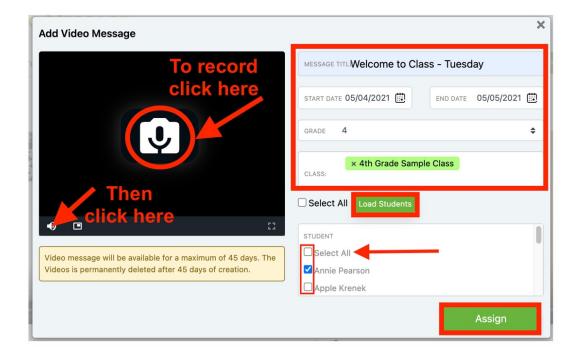
Students can ONLY send chats to their teacher. Student-tostudent chats are not allowed

Teachers can upload and send attachments to students

## Send a Video Message



Create a video message for students that will pop up when they log into Education Galaxy. This message can be a reminder to complete work, provide directions, or just a quick hello to motivate and encourage them.



## Creating a Class

educationgalaxy.com



- Go to "Student Center" and select "Create Class"
- Select Grade and enter a Class Name
- Move Students Over with the arrow buttons
- . Once you're done, click the Create Class button

### Tips

- A. Students can be in more than one class
- B. Can't have different grade levels in one class, you must create different class for each grade level
- C. Hold Ctrl key or Command on a Mac to select multiple students
- D. If your district uses Clever or Classlink, classes are already created for you. However, you can manually create classes outside of your SSO system within Education Galaxy



## Student Center Manage Students



#### **Program Selection**

This option allows you to activate/inactivate Lift Off accounts or Education Galaxy accounts for students.

Manage



#### **NWEA Mapping**

This option allows you to enable/disable NWEA mapping.

Manage



#### Canvas Mapping

This option allows you to map Education Galaxy users to their Canvas logins. You can export your classes, add their Canvas logins and import the updated spreadsheet. Once imported students will have Single Sign-On capability from Canvas

Manage



#### **View Students**

This option allows you to view all of the students in your school. Print class rosters, view student passwords, edit student status, and/or delete students.

Manage



#### **Language Settings**

This option allows you to select which students receive Spanish language support and how they receive it. This is perfect for ESL students and/or dual language campuses.

Manage



#### Diagnostics

This option allows you to lock or unlock the pre- and posttest diagnostics. By default, the pre-test is unlocked and the post-test is locked.

Manage



#### **Skill Practice**

This option allows you to limit Skills Practice usage to outside of school hours. If activated, students can only use Skills Practice at home.

Manage



#### Read-Aloud

This option allows you to turn on or off the read-aloud option for students in Education Galaxy and in LiftOff.By default, read aloud is turned on for K-2 students in Education Galaxy and for all students in LiftOff.

Manage



#### Avatar Usage

This option allows you to limit the usage of the Avatar feature to outside of school hours. If activated, students can only play with their Avatar at home.

Manage



#### **EOC Subjects**

This page allows you to select EOC Subjects, Algebra I and/or Biology, for any 8th grade students.

Manage



#### Google Classroom

This option allows you to manage the Google Classroom integration. You will be able to control which classes are Google Classroom integrated as well as view the student's invitation status. Google Classroom authentication is required in order to manage the settings.

Manage



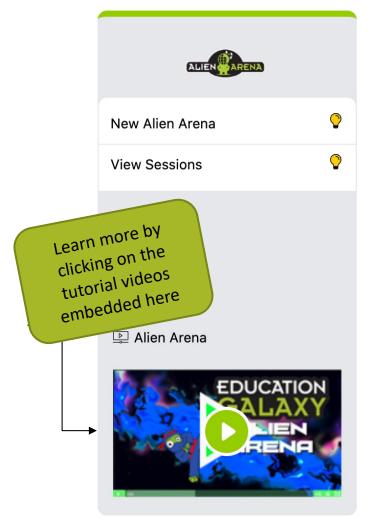
#### Manage Students

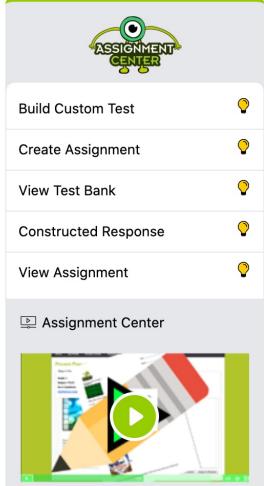
This option allows you to advance students a grade level, lower them a grade level, or delete multiple students at once. This is good for end of year promotions to start the next year or to individually assist struggling or advanced learners.

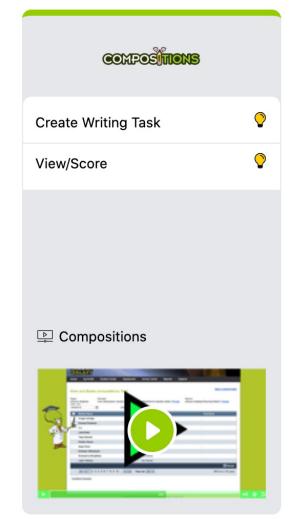
Manage

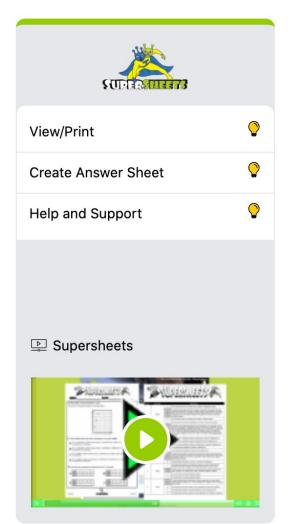


### **Assessment Tab**



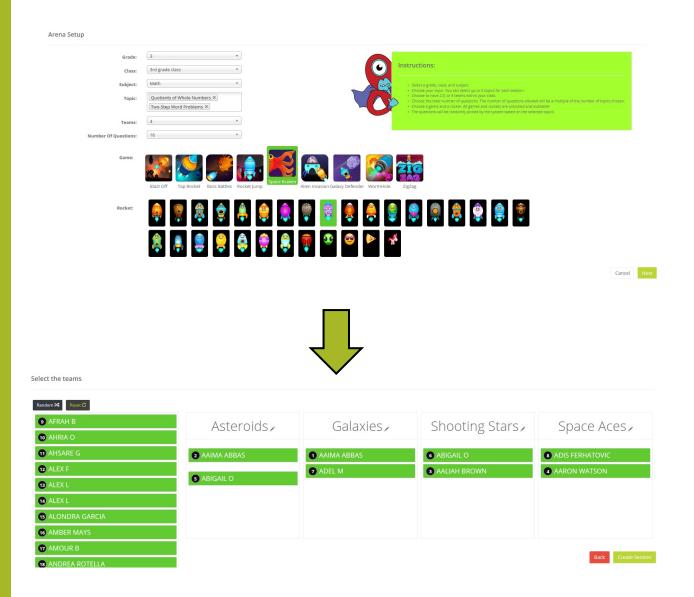








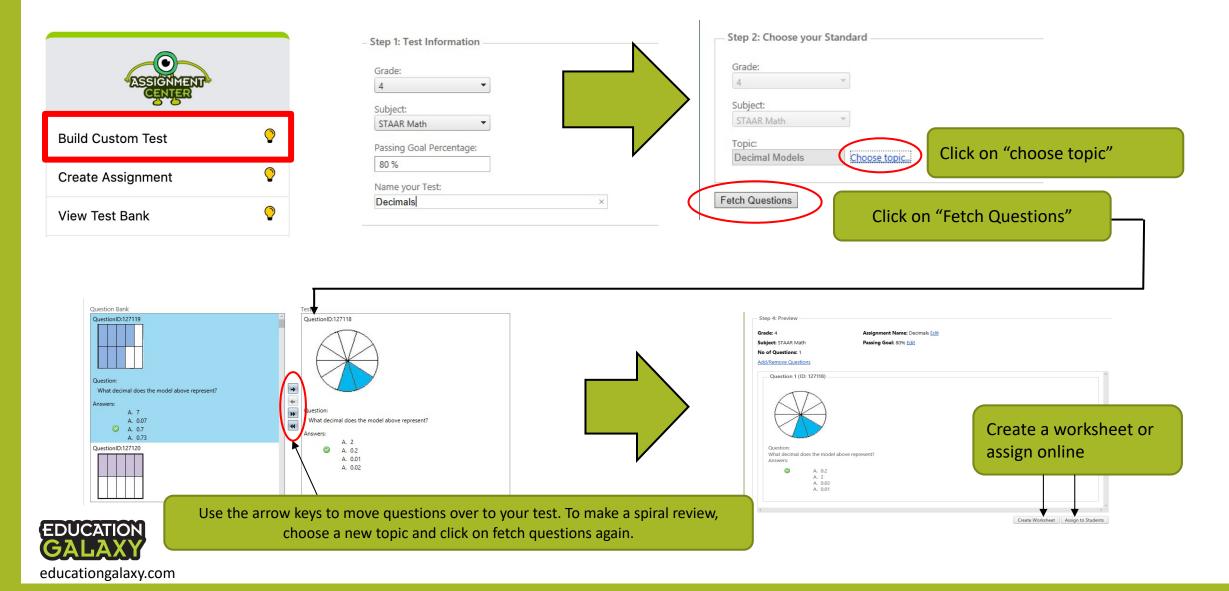
### Alien Arena



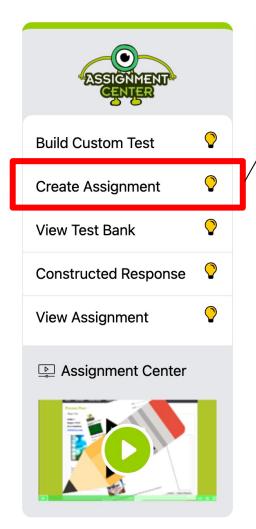
### **Instructions**

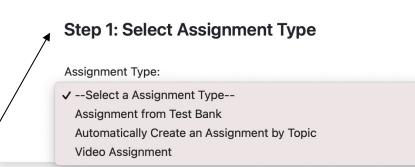
- L. Select grade, class, and subject
- 2. Choose your topic.
- 3. Choose 2, 3 or 4 teams.
- 4. Choose number of questions.
- 5. Choose game and rocket.
- Next button
- 7. Select teams by drag drop or random.
- 8. Create Session
- 9. Student logs in and goes to blue tab Alien Arena
- 10. Finds and joins session

## Assignment Center - Build Custom Test



# Assignment Center - Create Assignment

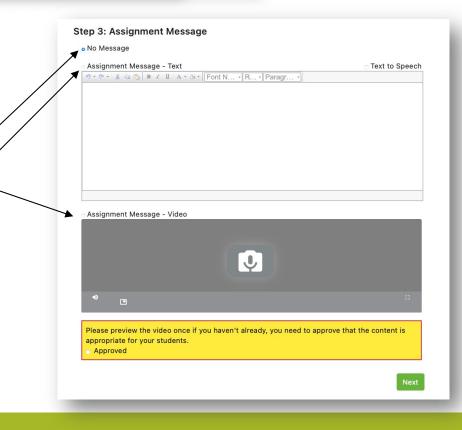




Choose to create an assignment from your school's test bank, automatically create a 10-question assignment by selecting a standard, or assign a mini lesson video assignment

When you create an assignment, you will select the assignment start date, due date, students you want to assign the assignment to and then you will be able to provide an assignment message which will display for students when they begin the assignment.

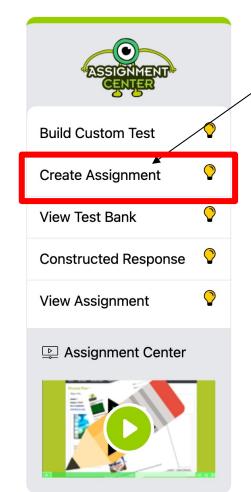
You can choose "no message" or can provide an assignment message in text or video format.





## Mini Lesson Video Assignments

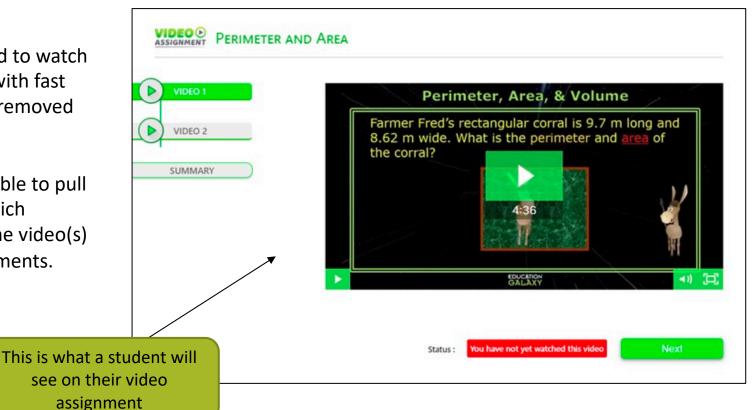
### Assignment Center – Create Assignment – Video Assignment



Education Galaxy currently offers amazing mini lesson topic videos for most topics in math and reading. Teachers can now assign those videos from the "Assessment" tab using the "Create Assignment" button and selecting "Video Assignment". Students will see their video assignment in the red, "My Assignments" section when they log in.

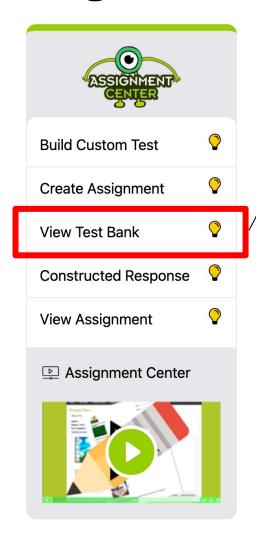
Students will need to watch the entire video with fast forward controls removed (No Cheating (a)).

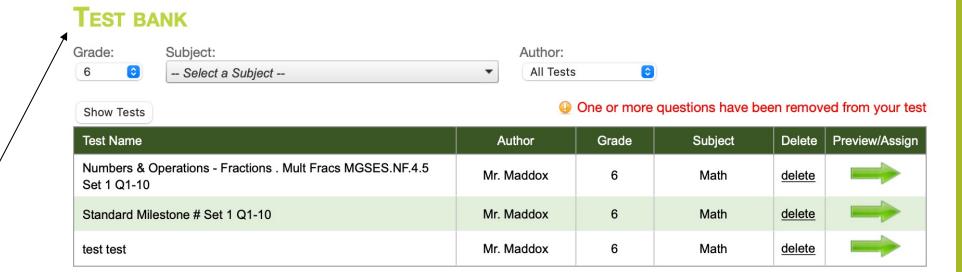
Teachers will be able to pull reports to see which students watch the video(s) from their assignments.





# Assignment Center – View Test Bank



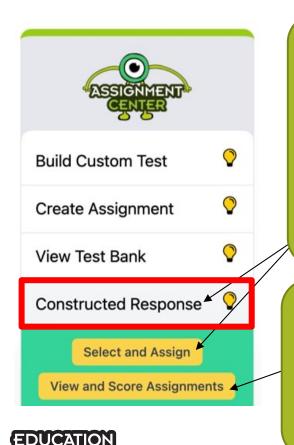


View custom tests that have been created by other teachers at your campus. Click the green arrow to preview and assign to your students.



## Assignment Center - Constructed Response

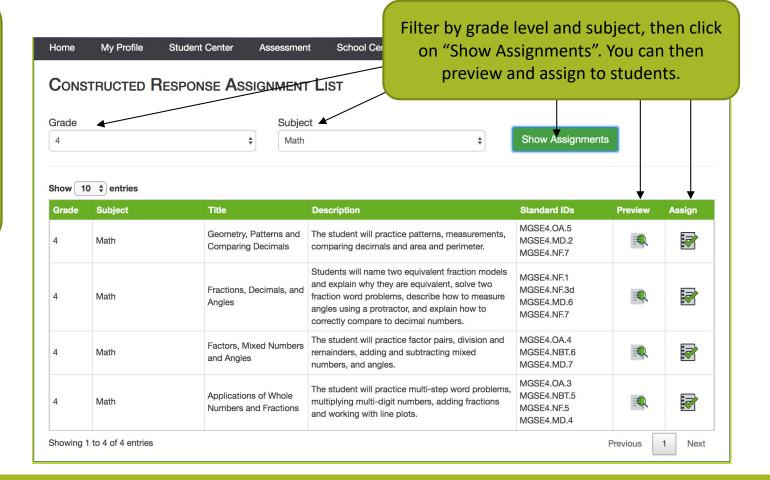
Constructed Response assignments include 4 problems that require students to type a response to a set of reading passages or math problems (e.g., describe how to solve a problem, compare the main ideas from 2-passages, write a conclusion to the story, etc.) You can view and score your student responses using the rubrics provided.



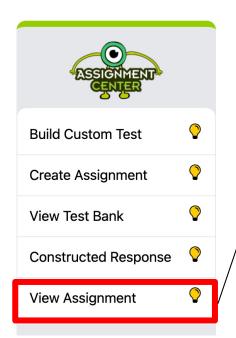
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Located under
the assessment
tab in the
Assignment
Center, click on
Constructed
Response and
then click on
"Select and
Assign"

Once you have assigned and are ready to grade student's work, click on "View and Score Assignments"



# Assignment Center - View Assignment



### **A**SSIGNMENTS

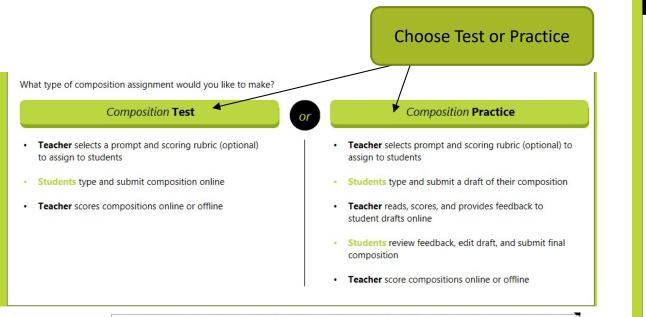
Below are a list of all the assignments you have made for your students.

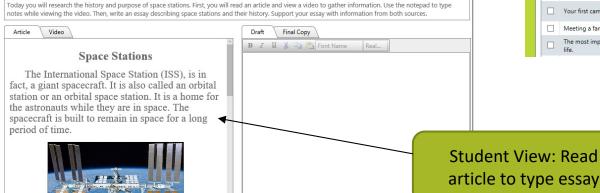
Delete Assignments

	Date Assigned	Date Due	Title	Class Assigned	Average Score	Preview	Delete	Edit
	03/12/2015	03/16/2015	Ms. Ward's Assessment		N/A	Preview	delete	edit
	03/12/2015	03/18/2015	Dr. Sinkler's Assessment		N/A	Preview	delete	edit
	03/13/2015	03/15/2015	Ms. Powell's Assessment		N/A	Preview	delete	edit
(	03/18/2015	07/31/2015	Sample		N/A	Preview	delete	edit
	03/18/2015	03/26/2015	Math Test		N/A	Preview	delete	edit
	03/18/2015	03/24/2015	Ms. Tate's Assignment		N/A	Preview	delete	edit
(	05/05/2015	05/08/2015	Fractions Test		N/A	Preview	delete	edit
	05/11/2015	05/13/2015	Ms. Middleton's Assignment		N/A	Preview	delete	edit



# Compositions – Create Writing Task





#### Filter by topic and/or grade level **Composition Assignment** Choose Prompt for Composition Practice ☐ I've got talent! Narrative Students will write about a time they discovered that they were good at something, Preview Students will write about the reasons they think they need a longer recess time at A longer recess at school. Persuasive Preview A "dream" sibling Students will write what their "dream" sibling would be like Preview Procedural My favorite dish! Students will write about how they make their favorite dish. Students will use various Internet and nonfiction resources to gather information and The state tree Preview Research Literary A book to love. Students will write about a book they want to recommend to their friends. Preview Analysis Students will write about their favorite class or subject in school, and explain why it is Favorite Class or Subject Expository Preview Loving your family member Expositon Students will write about a time they put someone else's need before theirs. Preview Students will read an article and watch a video about space stations. Then, they will Space Stations Research write an essay on the history and purpose of space stations, using information from Preview Students will write about the reasons they think they need a longer recess time at Say no to littering Persuasive Preview Make your neighborho Persuasive Students will write about the things they can do to make their neighborhood better. Preview Fictional What if toys could talk? Students will write a story about what could happen if toys could talk. Preview Narrative ictional A trip on a rocket ship. Students will write a made-up story about a trip on a rocket ship. Preview arrative Your first camping trip. Students will write about their first camping trip. Preview Expository Meeting a famous person Students will write about the reasons they want to meet a famous person Preview The most important thing in your Expository Students will write about why something is important to them. Preview

Select Prompt Title

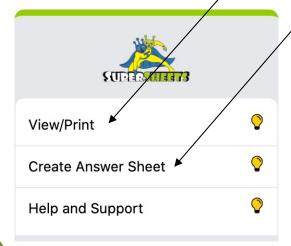


## SuperSheets

Technology enhanced worksheets designed to be easily with your smart phone when you download the teacher app, Education Galaxy Connect.

SuperSheets can be found in the assessment tab

Questions on the SuperSheets are different than the questions that are in our test bank



Scan this QR code for a brief video overview of SuperSheets to help you get started







### View and Print your SuperSheets

Click on the "View/Print" button on the "Assessment" tab. Choose any SuperSheets you like and print as many as you need.



### Create and Print Student Answer Sheets

Click on "Create Answer Sheet" in the "Assessment" tab. Each student is assigned a unique answer sheet that will be used for your convenient phonescan grading. Answer sheets can be used with any worksheet. Feel free to laminate them if you want to re-use them throughout the year.



### Students work on their SuperSheets

Have your students work on their SuperSheets and fill out their answer sheet.



### Grade with your Phone

Make sure to download the Education Galaxy Connect app from the Google Playstore or iOS App Store. After logging in with your teacher level account, go to the "SuperSheets" section. Filter to your class, grade, and SuperSheets chosen to grade those SuperSheets. Click "Scan SuperSheets" to start grading.



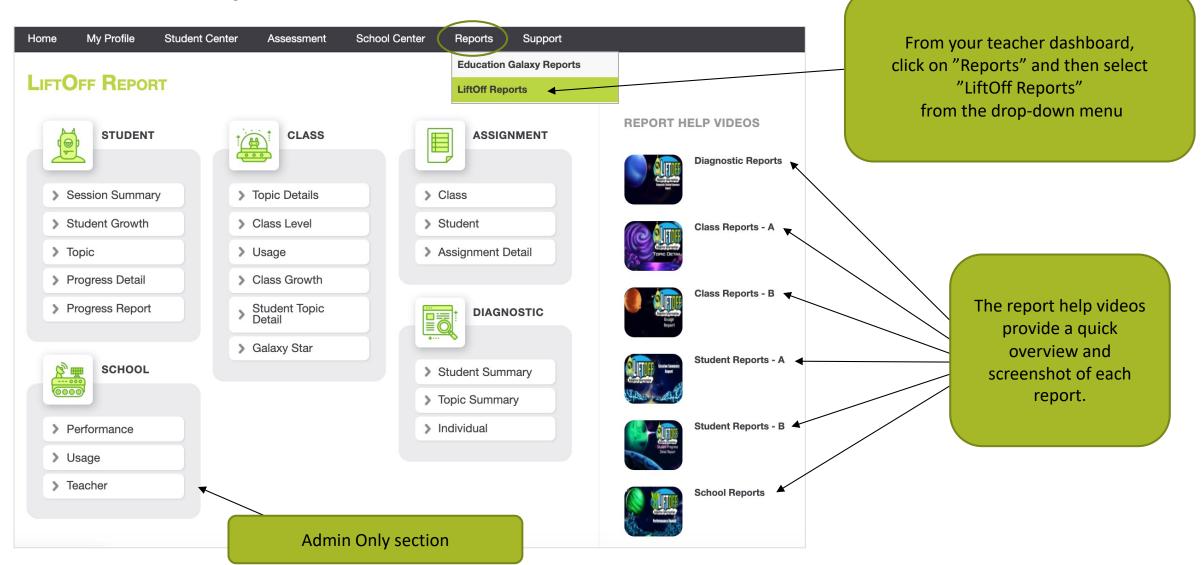
### View Results and Reports

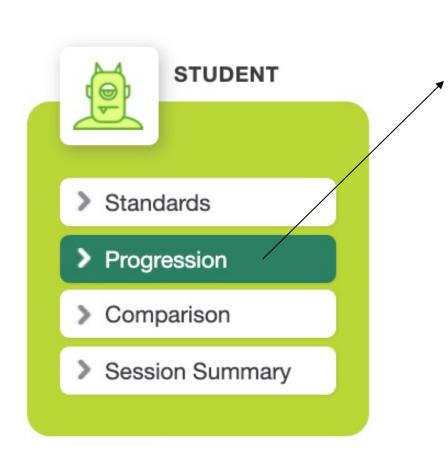
Log into your Education Galaxy teacher account from your computer. Click on the "Reports" tab, choose "Education Galaxy Reports", and click on the "SuperSheets" report icon. Here you can see student results and Item Rationale reports.

**Education Galaxy Reports** 

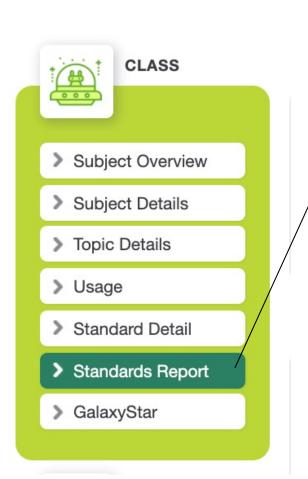


# Liftoff Reports

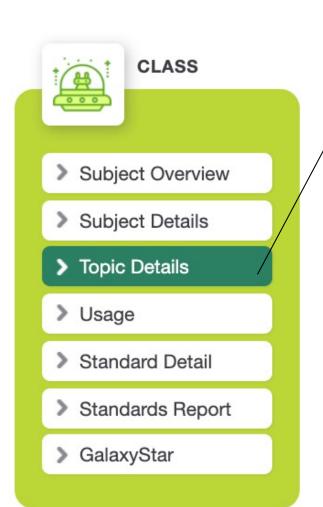




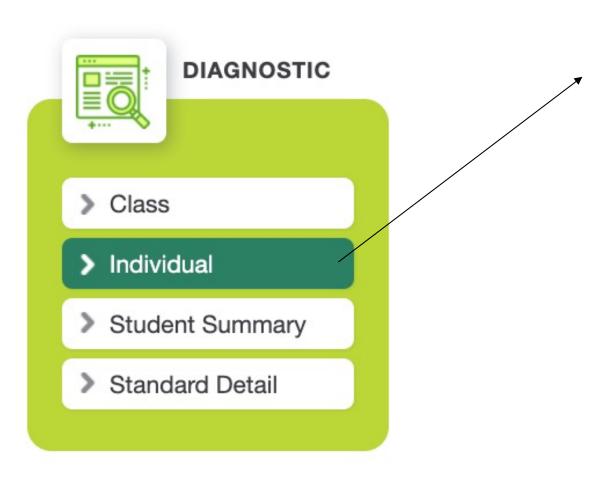


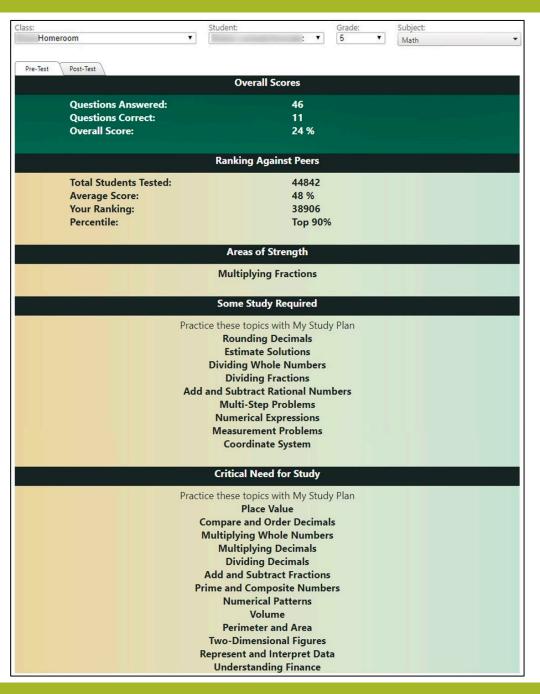


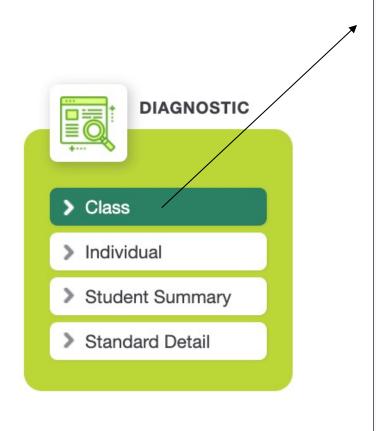
				2	15			5			6		
				Inding Decina	aals	ons who divi	ole Mumbe	Authoring Des	imals	ale Subre	t Fraction.	ctions	105
		Value	are and	rder De cir	nals Solution	dying wh	Mole	Muniber Div	dinals Decim	ad Subtre	et Fraction fro	ding Fractif	and Su
tudent's Name	Plac	e Value Con	Po Roi	Ind. Esti	Mi	Rip. Divi	Mi	Jrip. Div	Add Add	all Mul	tip. Div	Adi	31.
Class Average	83%	79%	65%	66%	71%	80%	63%	68%	59%	76%	77%	48%	579
	94%	100%	81%	91%	92%	100%	81%	100%	100%	85%	88%	87%	86%
	100%				63%	75%	50%	59%		100%			
	92%	89%	95%	70%	63%	100%	62%	92%	69%	100%	65%	67%	659
	76%	100%	66%	73%	79%	83%	82%	75%	76%	81%	70%	47%	439
	100%	100%	79%	78%	94%	90%	78%	100%	79%	100%	90%	66%	759
	90%	87%	63%	75%	83%	65%	81%	69%	65%	90%	57%	72%	569
	64%	51%			75%	43%	52%	36%	25%	52%	75%	11%	309
	61%	75%			61%		48%				93%		259
	71%		38%	9		89%	29%	40%	22%			40%	689
	84%	50%	50%		62%	77%	69%	83%	47%	60%	73%		479

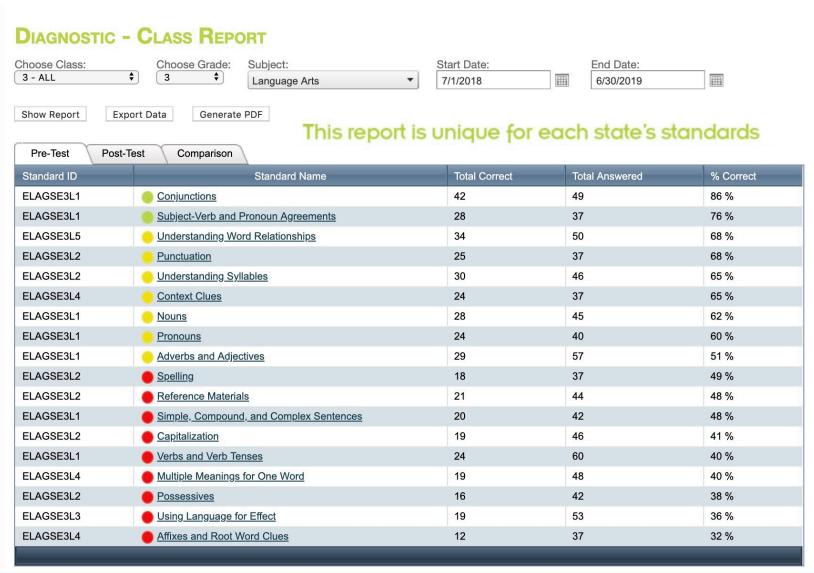


Standard ID	Standard Name	Total Correct	Total Answered	% Correct
5.2.A	Place Value	1532	1845	83 %
5.2.B	Compare and Order Decimals	776	1084	72 %
5.2.C	Rounding Decimals	836	1340	62 %
5.3.A	Estimate Solutions	502	761	66 %
5.3.B	Multiplying Whole Numbers	796	1133	70 %
5.3.C	<u>Dividing Whole Numbers</u>	404	513	79 %
5.3.H	Add and Subtract Fractions	543	918	59 %
5.3.1	Multiplying Fractions	551	744	74 %
5.3.K	Add and Subtract Rational Numbers	364	627	58 %
5.3.DE	Multiplying Decimals	711	1092	65 %
5.3.FG	Dividing Decimals	506	791	64 %
5.3.JL	Dividing Fractions	666	874	76 %
5.4.A	Prime and Composite Numbers	1025	1595	64 %
5.4.B	Multi-Step Problems	499	714	70 %
5.4.CD	Numerical Patterns	433	757	57 %
5.4.H	Perimeter and Area	867	1332	65 %
5.4.EF	Numerical Expressions	944	1424	66 %
5.5.A	Two-Dimensional Figures	1161	1896	61 %
5.6.B 5.4.G	<u>Volume</u>	873	1213	72 %
5.7.A	Measurement Problems	835	1344	62 %
5.8.ABC	Coordinate System	941	1186	79 %
5.9.ABC	Represent and Interpret Data	380	606	63 %
5.10.ABCDEF	Understanding Finance	791	1178	67 %

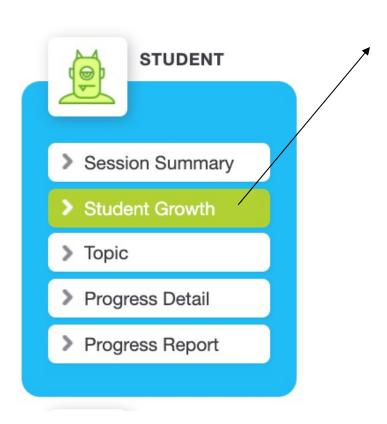


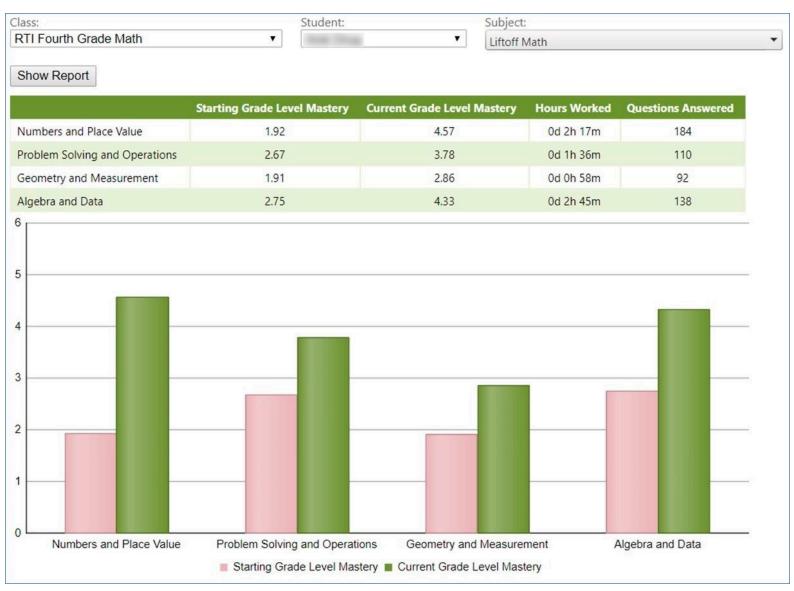




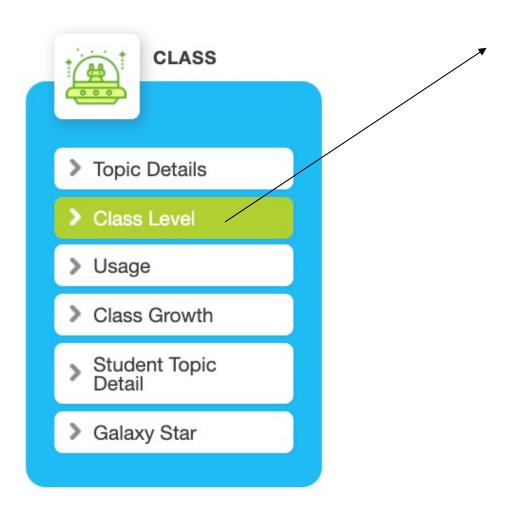


# Sample LO Report



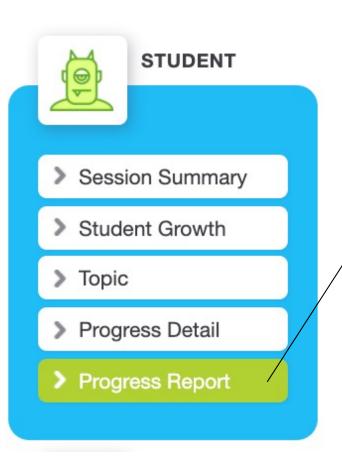


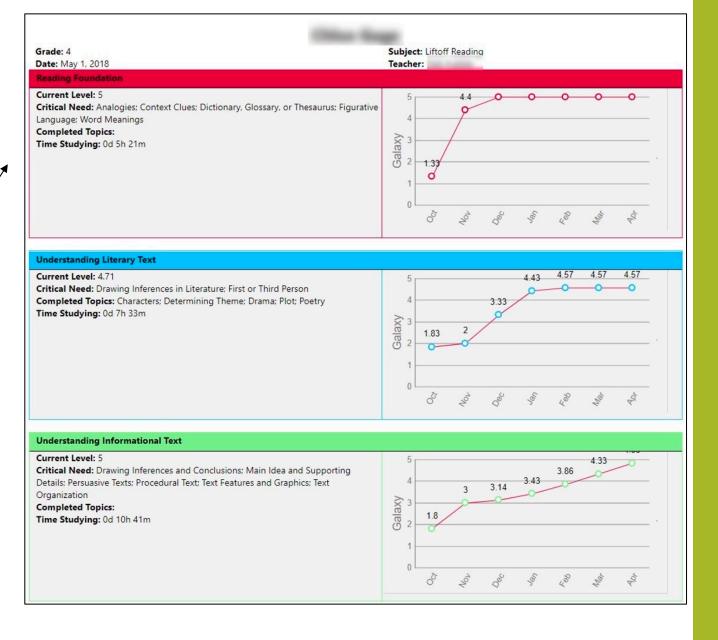
# Sample LO Report



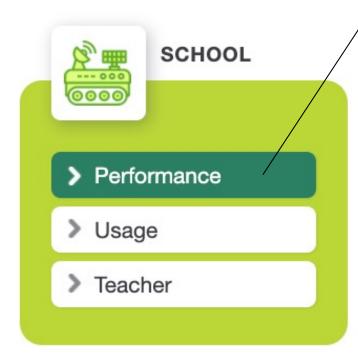
	Numbers and Place Value	Problem Solving and Operations	Geometry and Measurement	Algebra and Data
G A 5	Marvin Martian Donald Duck Popeye Sailor	Popeye Sailor Minnie Mouse	Betty Boop Barney Rubble	Popeye Sailor Betty Boop
G L A X	Betty Boop Minnie Mouse	Marvin Martian Donald Duck Betty Boop	Popeye Sailor Minnie Mouse Porky Pig	Mickey Mouse Donald Duck Tweety Bird
G A L A X	Olive Oyl Porky Pig Tweety Bird	Mickey Mouse Olive Oyl Charlie Brown	Marvin Martian Mickey Mouse Donald Duck	Marvin Martian Minnie Mouse Lucy Van Pelt
Y G A L A X Y	Mickey Mouse Lucy Van Pelt Cruella DeVil	Bugs Bunny Scooby Doo Porky Pig	Bugs Bunny Olive Oyl Lucy Van Pelt	Olive Oyl Porky Pig Barney Rubble Cruella DeVil
G A 1 A X Y	Bugs Bunny Scooby Doo Barney Rubble	Lucy Van Pelt Barney Rubble	Scooby Doo Charlie Brown Cruella DeVil Tweety Bird	Bugs Bunny Scooby Doo
D I N O T C C N O M P S L E T T E C	Charlie Brown Snow White	Cruella DeVil Tweety Bird Snow White	Snow White	Charlie Brown Snow White

# Sample LO Report



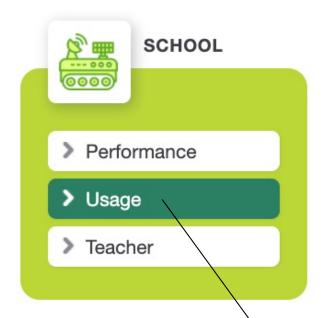


# Sample Administrator Report





# Sample Administrator Report



Grade	Total Hours Used	Total Questions Answered	Study Plan	Assignments	Diagnostic	Skill Practice
Grade K	3d 9h 24m	12318	11212	0	263	843
Grade 1	59d 22h 19m	143846	117131	0	11095	15620
Grade 2	65d 23h 11m	165003	117197	151	15959	31696
Grade 3	98d 7h 37m	220902	147081	3787	19348	50686
Grade 4	121d 23h 36m	260733	159839	19386	20254	61254
Grade 5	97d 0h 45m	212003	126925	14364	12007	58707