Big Ideas Learning

NATIONAL GEOGRAPHIC LEARNING | Cengage

Georgia Math

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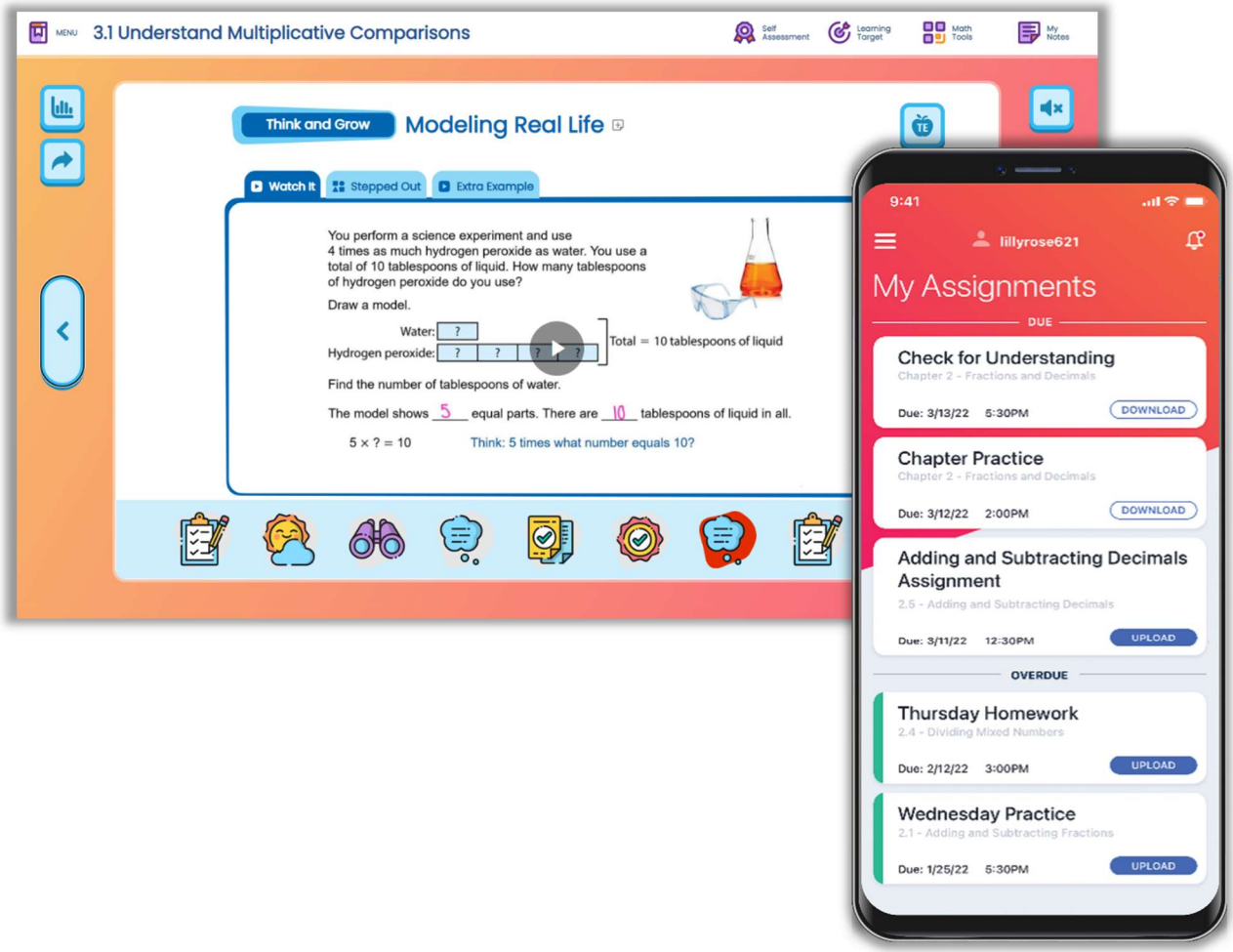
Digital Platform Guide



Flexible Resources, Accessible Anywhere

Engaging technology for students and teachers is the heart of the *Georgia Math* program. The flexible online platform includes homework and assessment, interactive resources, and videos that support any learning environment to accelerate learning for all students.

Let's Explore!

All screenshots are representative of final product. Some features may not be fully implemented at the time of your review.

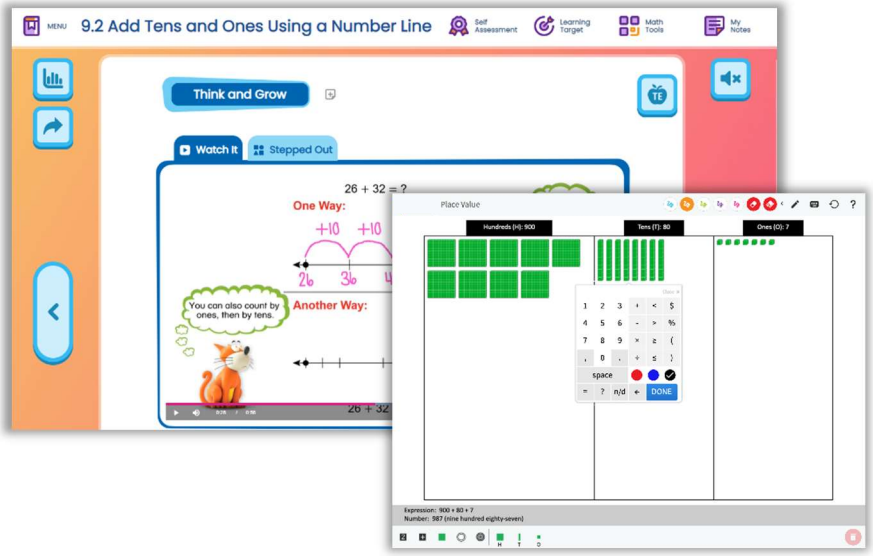
PROGRAM OVERVIEW

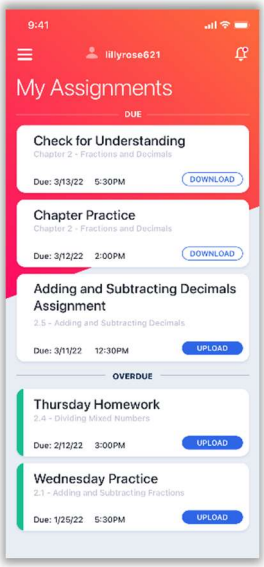
Student Engagement and Skill Building

Engage students from beginning to end of class, and at home, with the digital student experience. Students have access to a variety of tools that support and enhance their learning.

Dynamic Student Edition

The Dynamic Student Edition is a complete, interactive version of the Student Edition with a Multi-Language Glossary, interactive explorations, digital examples, virtual manipulatives, Tutorial Extra Example videos, and digital exercises.





Homework App

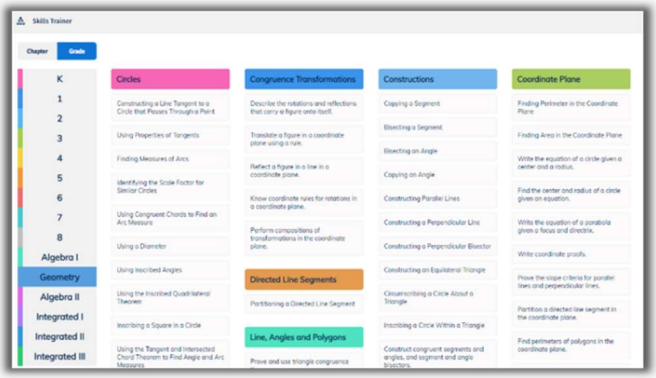
The Big Ideas Homework app allows students to complete assignments even when internet access is limited or unavailable.

Game Library

The Game Library contains interactive games with audio in both English and Spanish. The games are also available in print and are translated into Spanish to help with engagement in class and at home.

Skills Trainer

The Skills Trainer provides opportunities for students to review or extend skills from kindergarten through high school. Students have access to the Skills Trainer without the need for formal assignments, so they can review and practice as often as they need.



Math Musicals

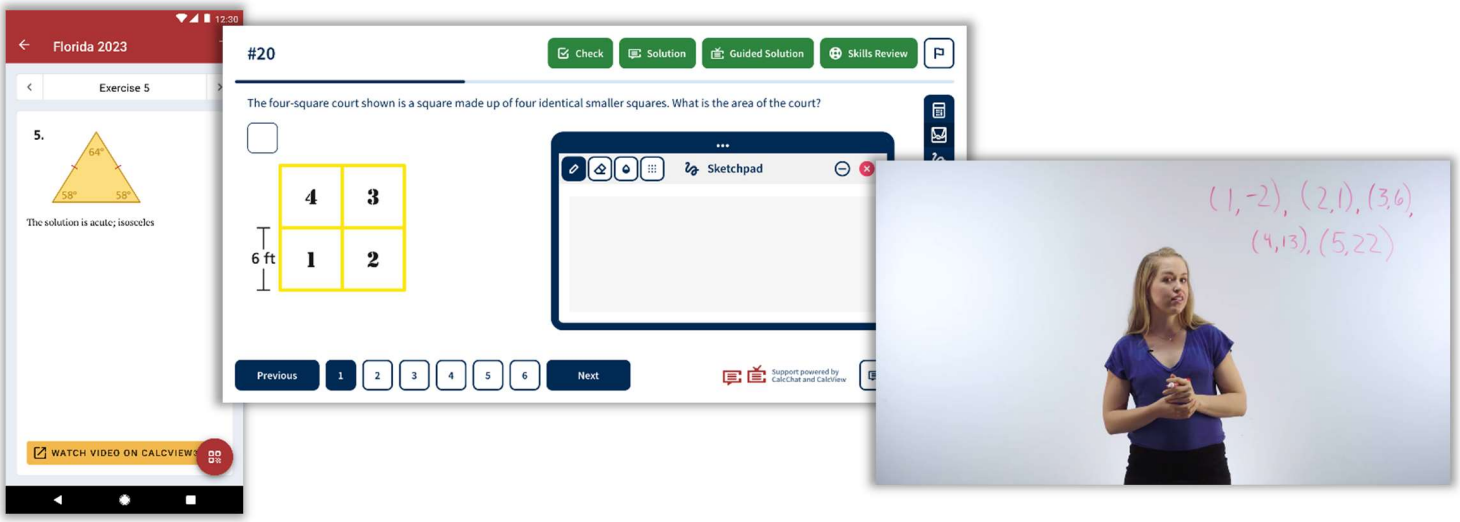
Math Musicals offer elementary students a fun and engaging connection between math, music, and literature. Newton and Descartes, team up in these educational stories and songs to bring mathematics to life! Math Musicals are available online, where teachers and students will find the stories, songs, animated videos, lyrics, and sheet music!

CalcChat

Students in high school benefit from Worked-out Solution Videos and live, Virtual Tutor support for select exercises. Chapter Review and Practice Tests are also available.

CalcView

Students can view stepped-out instructor videos as they work through select problems to support comprehension and the understanding of concepts.

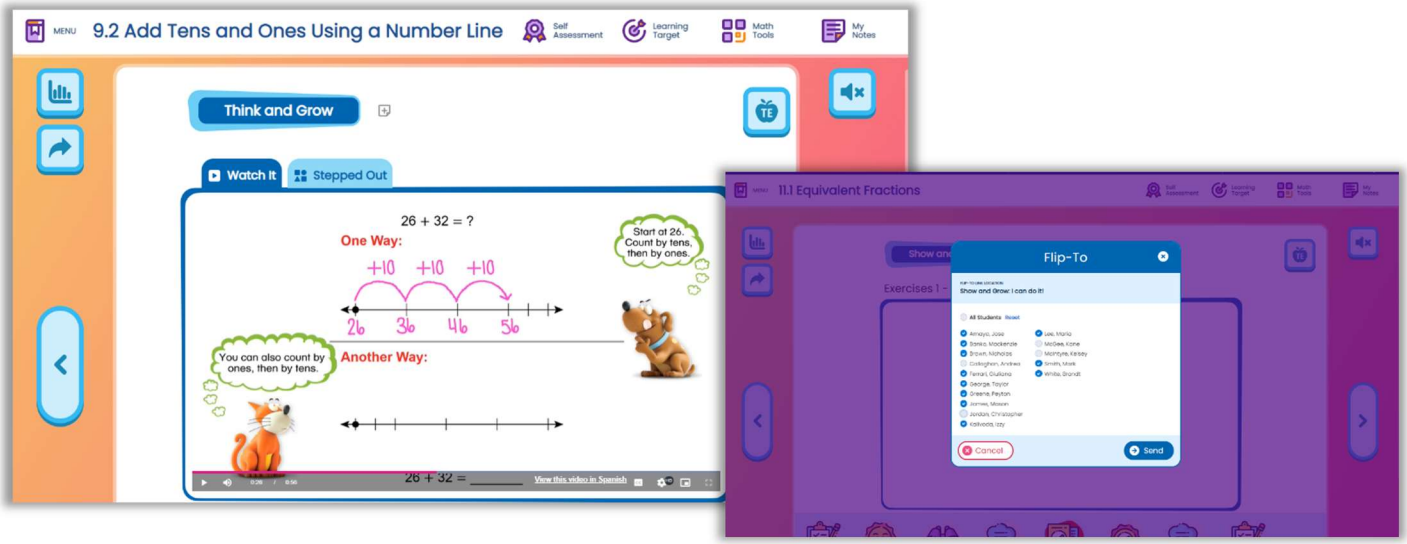


Planning and Teaching

Find everything necessary to plan and teach lessons all on one platform. With *Georgia Math*, teachers can leave the Teaching Edition and support materials in the classroom and still have access to everything digitally.

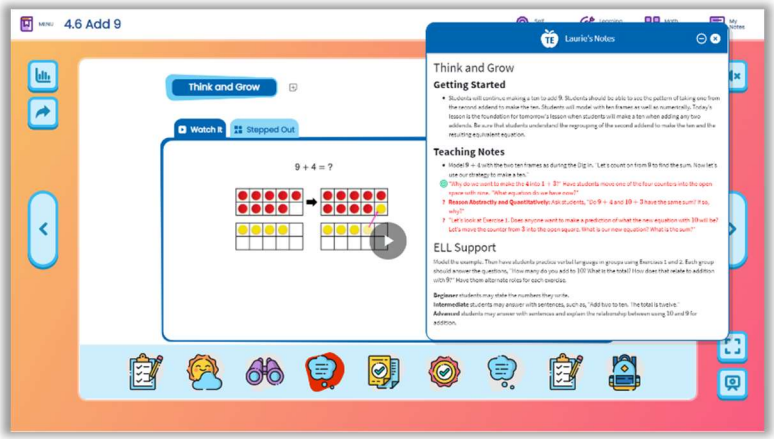
Dynamic Classroom

Teachers use the Dynamic Classroom to facilitate lessons using the engaging explorations, digital examples, and interactive practice all at their fingertips. They can even use the Flip-To feature to send students directly to a specific place in their Dynamic Student Edition, which makes managing a classroom full of devices a breeze.



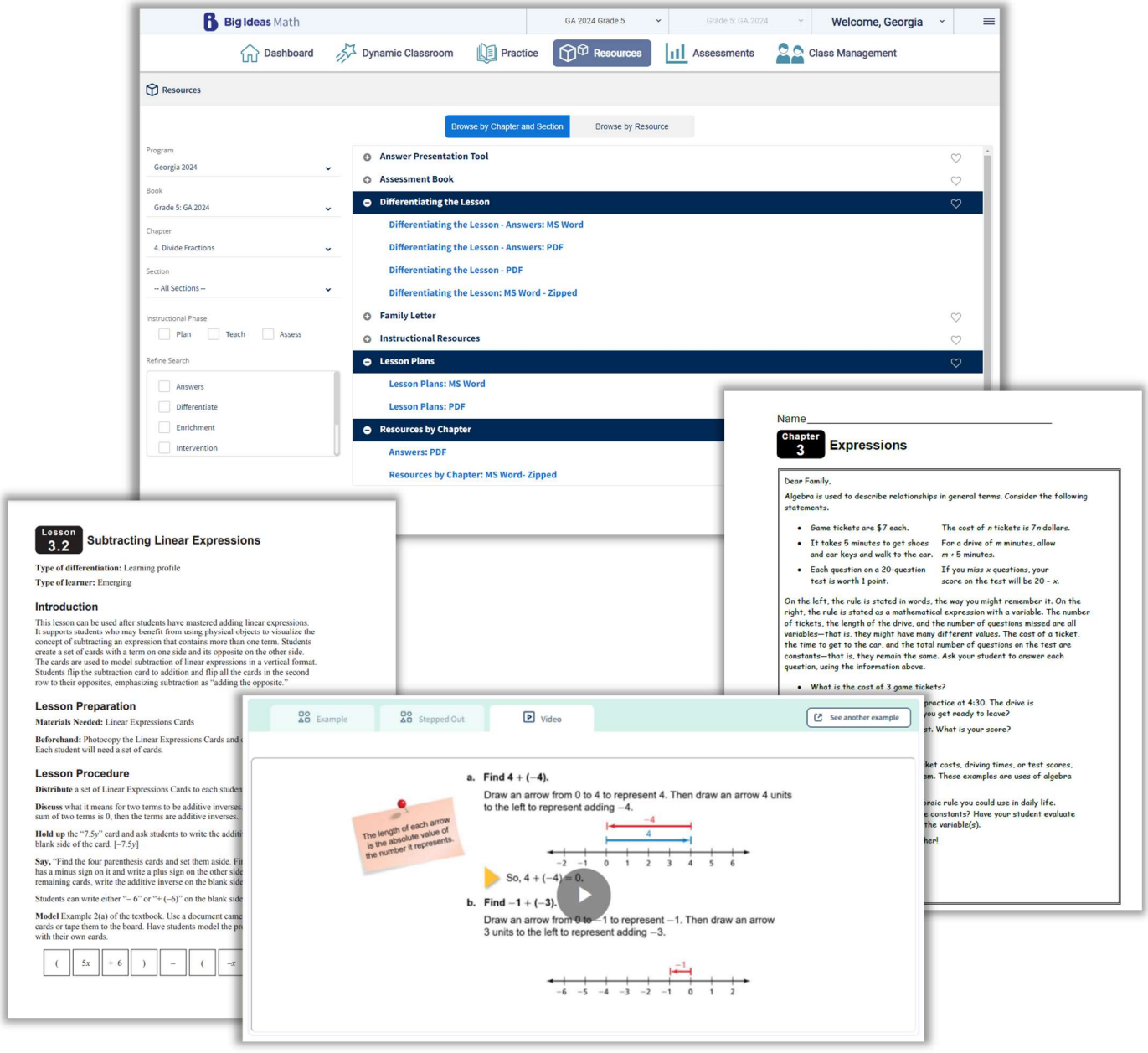
Laurie's Notes

Teachers can review Laurie's Notes in the print Teaching Edition or digitally in the Dynamic Classroom, making it easy to plan lessons at their convenience. Laurie's Notes also include specific support for the Mathematical Practice Standards, so teachers can ensure daily progress toward proficiency in the Mathematical Practices.



Resource Library

Every print resource is available online in the Resource Library for the entire K-12 program, providing RTI and enrichment support. The variety of resources ensure teachers have what they need when planning so they can meet the needs of all learners.

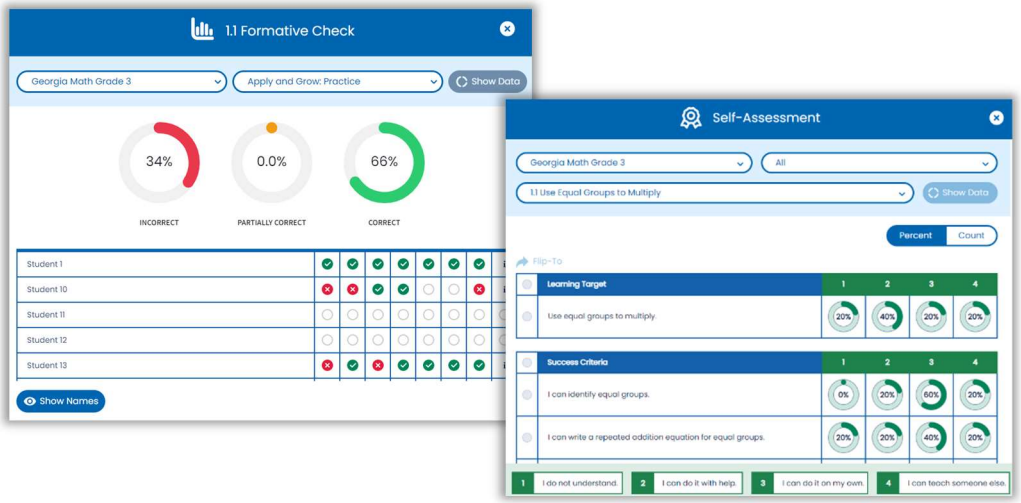


Assessing and Reporting

Assess students diagnostically, formatively, and summatively with *Georgia Math*. The platform makes it easy to create and assign practice and assessments while providing actionable data to meet the unique needs of every student.

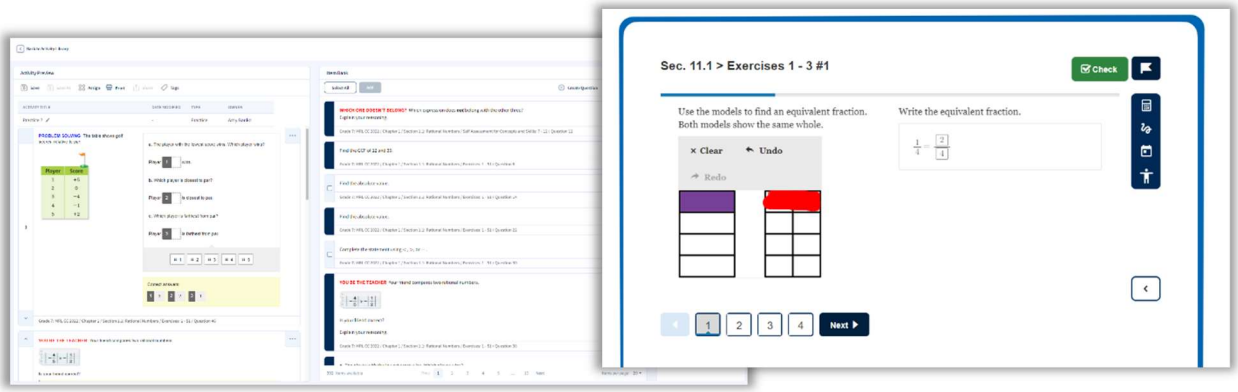
Formative Check and Self-Assessment Tool

Teachers can formatively assess students using the Formative Check and encourage students to use the Self-Assessment Tool. Both tools provide data and insight into student progress, as well as how the students perceive their learning progress as they rate themselves on the Success Criteria.



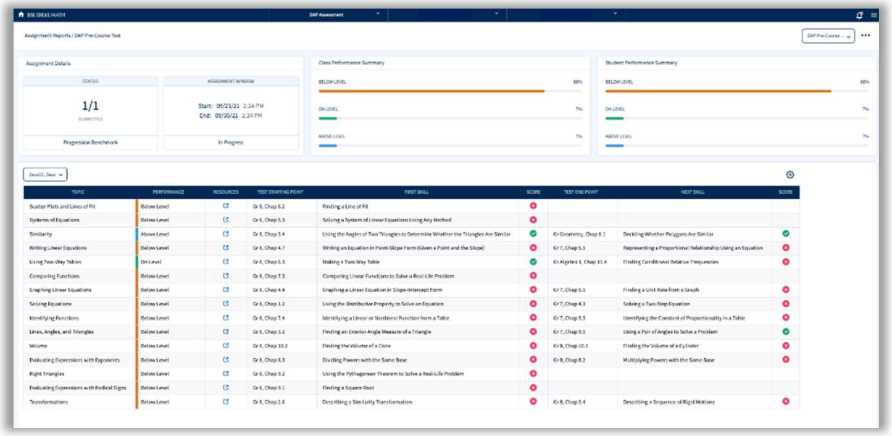
Assignment Builder

The Assignment Builder gives teachers the flexibility to create digital assignments and assessments from the *Georgia Math* program or develop their own questions. The parity between the print and digital in the Dynamic Student Edition and the Assignment Builder ensures teachers can provide equitable access to course content for all students. The detailed reports help teachers identify trends and take action.



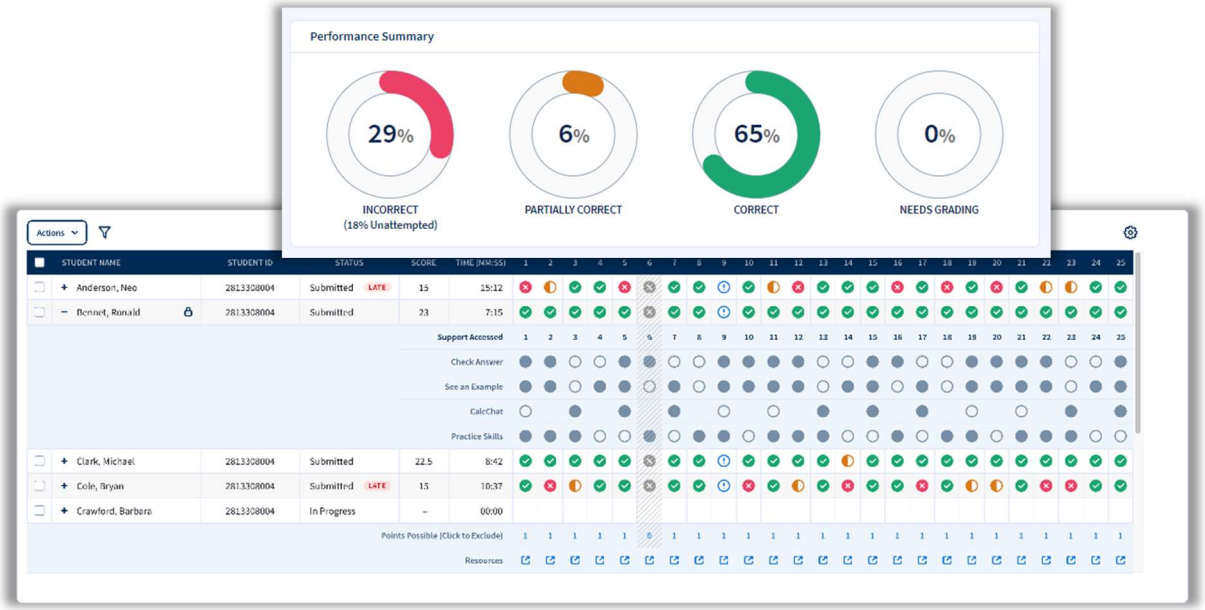
DAP (Diagnostic Adaptive Progression) Assessment

Designed by Big Ideas Learning, the DAP (Diagnostic Adaptive Progression) Assessment measures learning across grades and give teachers full insight into where students fall on the continuum of skills. With this cohesive and effective test, questions adapt based on student responses. The detailed report suggests resources to use with students who need support, empowering teachers with information to become even more effective in their instruction.



Reports

The Reports in the Dynamic Assessment System include detailed reports on Performance, Standards, and the Skills Trainer. The Assignment Reports provide information on how students performed as a class and individually down to the item level, enabling teachers to make data-driven instructional decisions.



Access: Rostering and Integration

Big Ideas Learning understands the critical need for rostering support and Learning Management System integration for school districts. Your ability to effectively provide students and teachers with seamless access to our online learning solution is key for the successful implementation of *Georgia Math*. We will help make that happen.

Our digital fulfillment team commits to working closely with every school district to ensure seamless access for teachers and students. We will be there to consultatively work with you and your technology lead(s) to ensure a smooth start in the fall and support throughout the year.

More specifically, Big Ideas Learning offers onboarding and rostering support through:

- **OneRoster**
- **ClassLink**

We also integrate our solutions with:

- **Schoology**
- **Canvas**

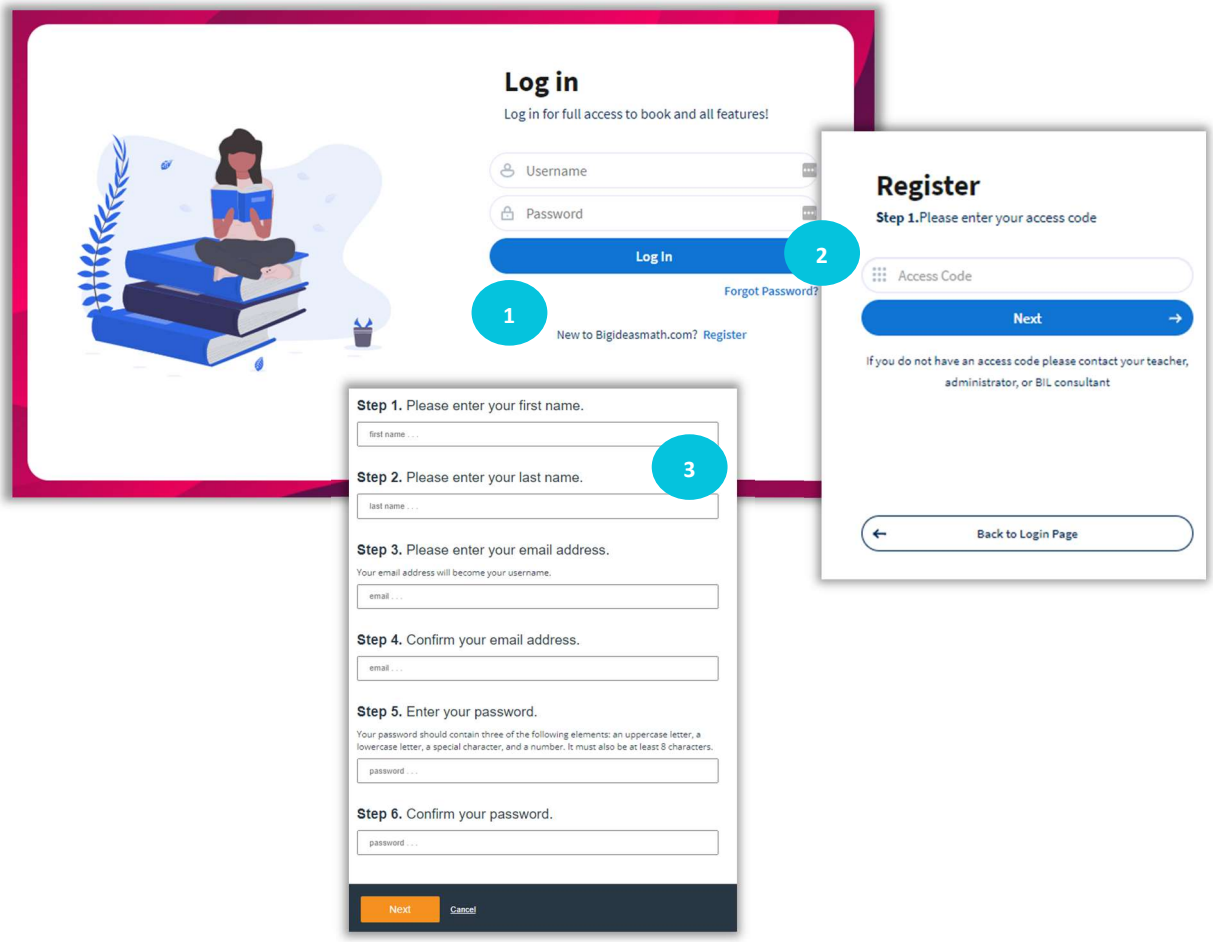
Our teams have built successful processes working with a variety of districts across the country with these onboarding systems and look forward to working with your district.

GET STARTED

Sign On

At **demo.bigideasmath.com,** enter your username and password you created. If you have not yet created a username and password:

1. Click **Register.**
2. Enter your **access code*** and click **Next.**
3. Fill out the required information to create a username and password, then log in.

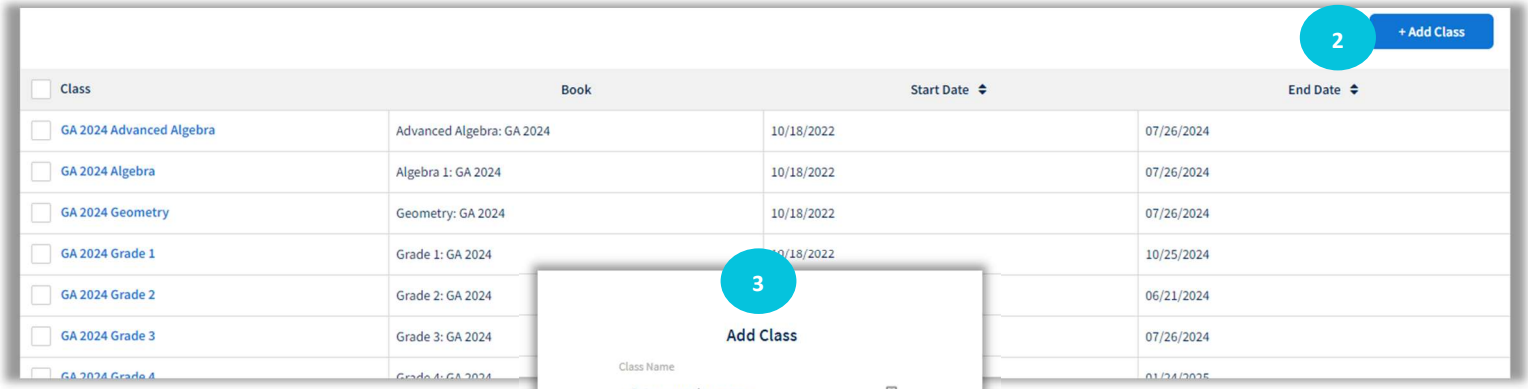


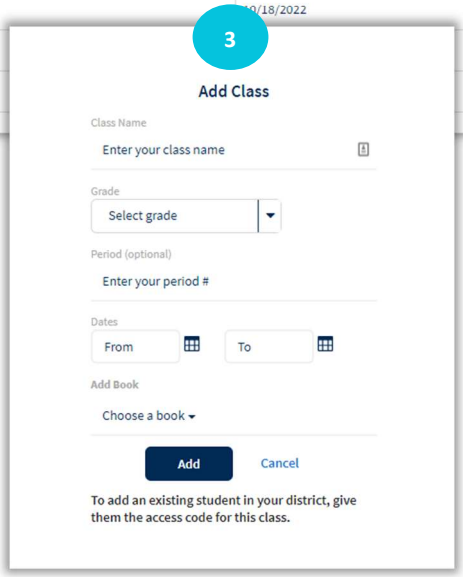
*Please contact your **National Geographic Learning Representative** for an access code.

Add a Class

The platform opens to the Teacher Dashboard. Classes will be pre-populated when you log in. If you would like to review the "Add a Class" feature, follow these steps.

1. From the site navigation, select **Class Management.**
2. Select **+Add Class.**
3. Fill out the required information, and click **Add.**





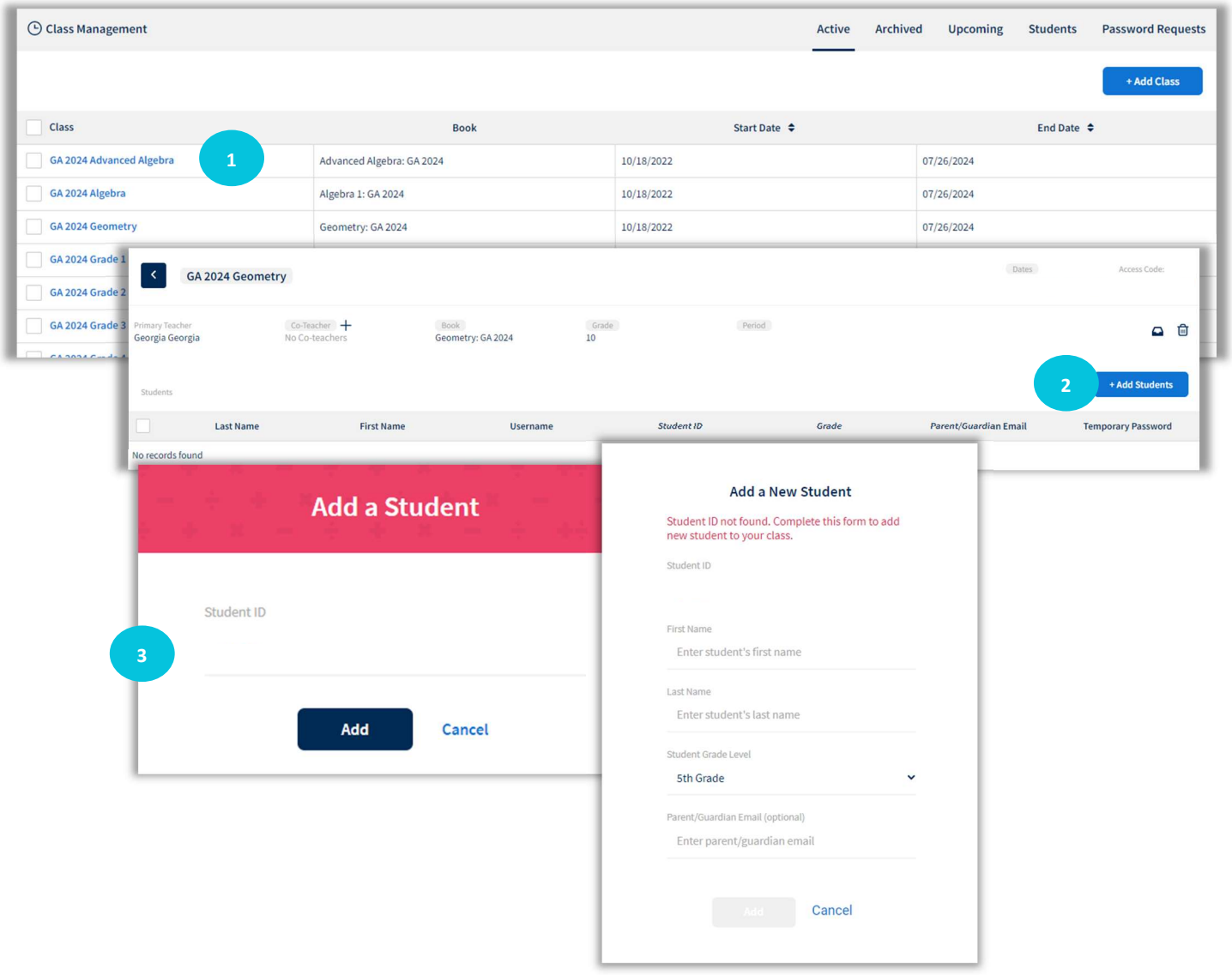
Add Students to a Class

To get the full experience as a teacher and to see the flexibility in assignments, be sure to add students to your class.

1. While in **Class Management,** select the class from the list.

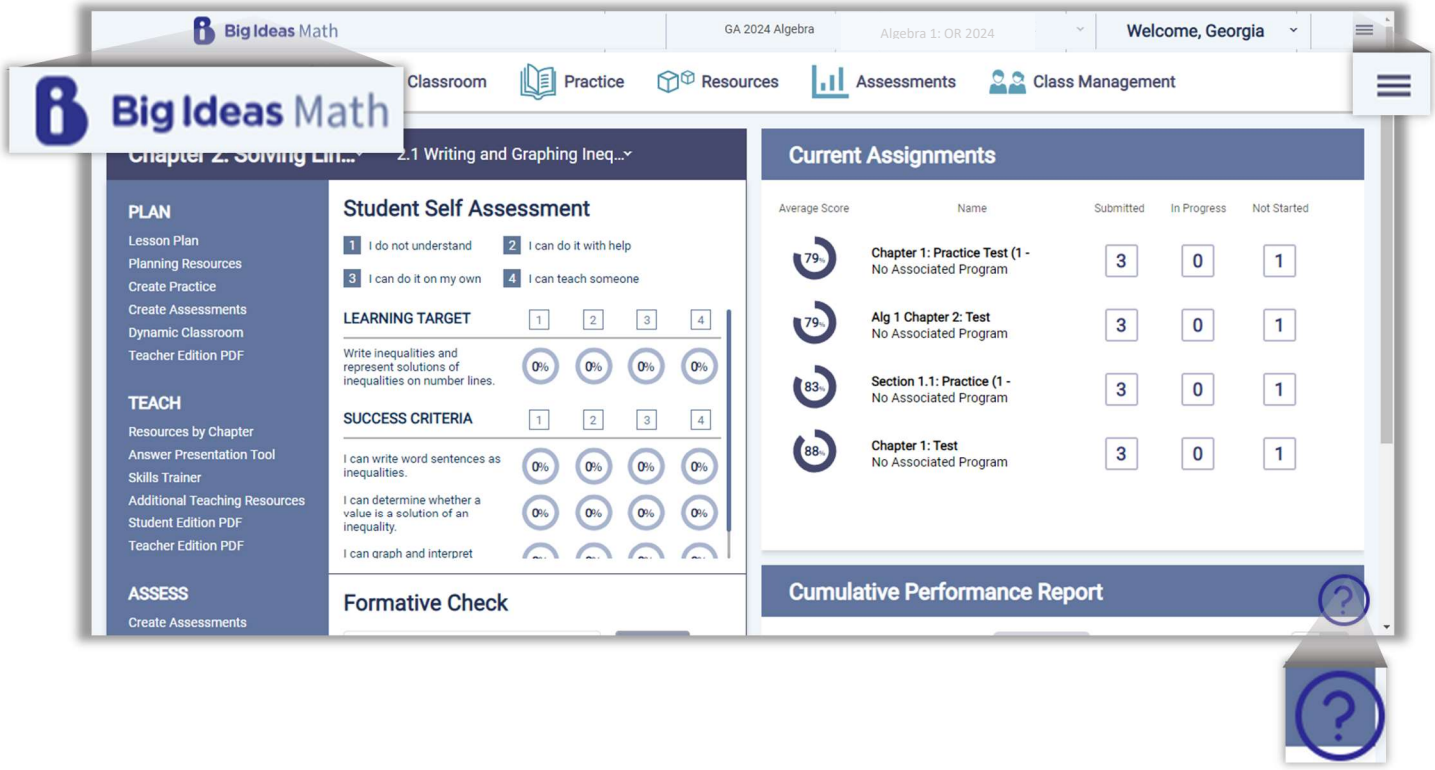
2. Click **+Add Students.**

3. Enter a Student ID number, and click **Add.** If the student is not found in the system, fill out the required information, and click **Add.**



Explore

Click on **Big Ideas Math** in the upper left corner to return to the dashboard at any point. Click on the three lines in the upper right corner to open the site menu and explore the different global tools. The question mark in the bottom right corner is the **Information Center**. This includes Announcements, Getting Started Walkthrough Guides, Site Tutorials, and Additional Support options, such as the Help Center and Customer Support Portal.



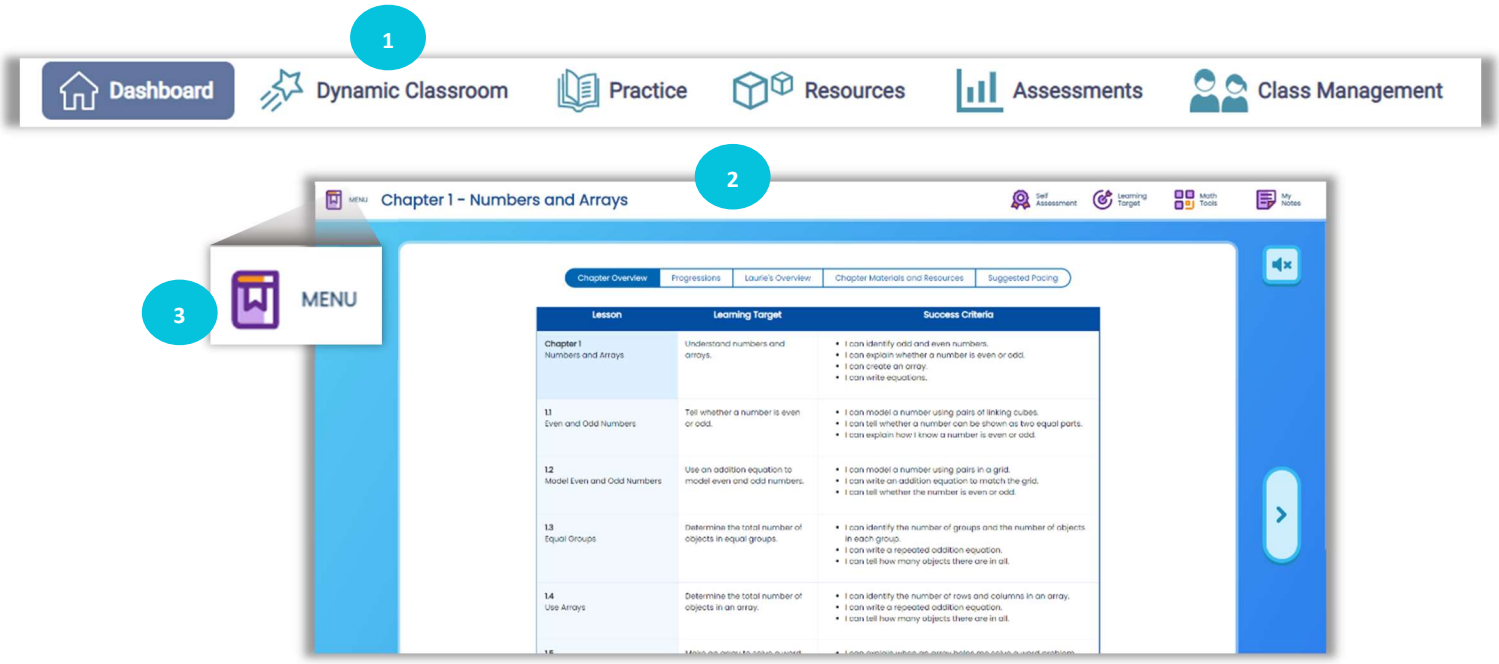
PLAN AND TEACH

Dynamic Classroom and Dynamic Student Edition, K-5

The **Dynamic Classroom** helps teachers facilitate lessons using the engaging explorations, digital examples, and interactive practice all at their fingertips. Teachers can even use the Flip-To feature to send students directly to a specific place in their **Dynamic Student Edition,** which is the companion student component without the teacher functionality. The Dynamic Classroom mimics the Dynamic Student Edition, so students can easily follow along in class.

How to Use

1. Find the **Dynamic Classroom** in the navigation bar at the top.
2. The Dynamic Classroom opens to the last place visited within the Dynamic Classroom. If this is the first time, it opens to Chapter 1.
3. Click on **Menu** to navigate to a specific place within the Dynamic Classroom.



Dynamic Classroom and Dynamic Student Edition, K-5

How to Use, cont.

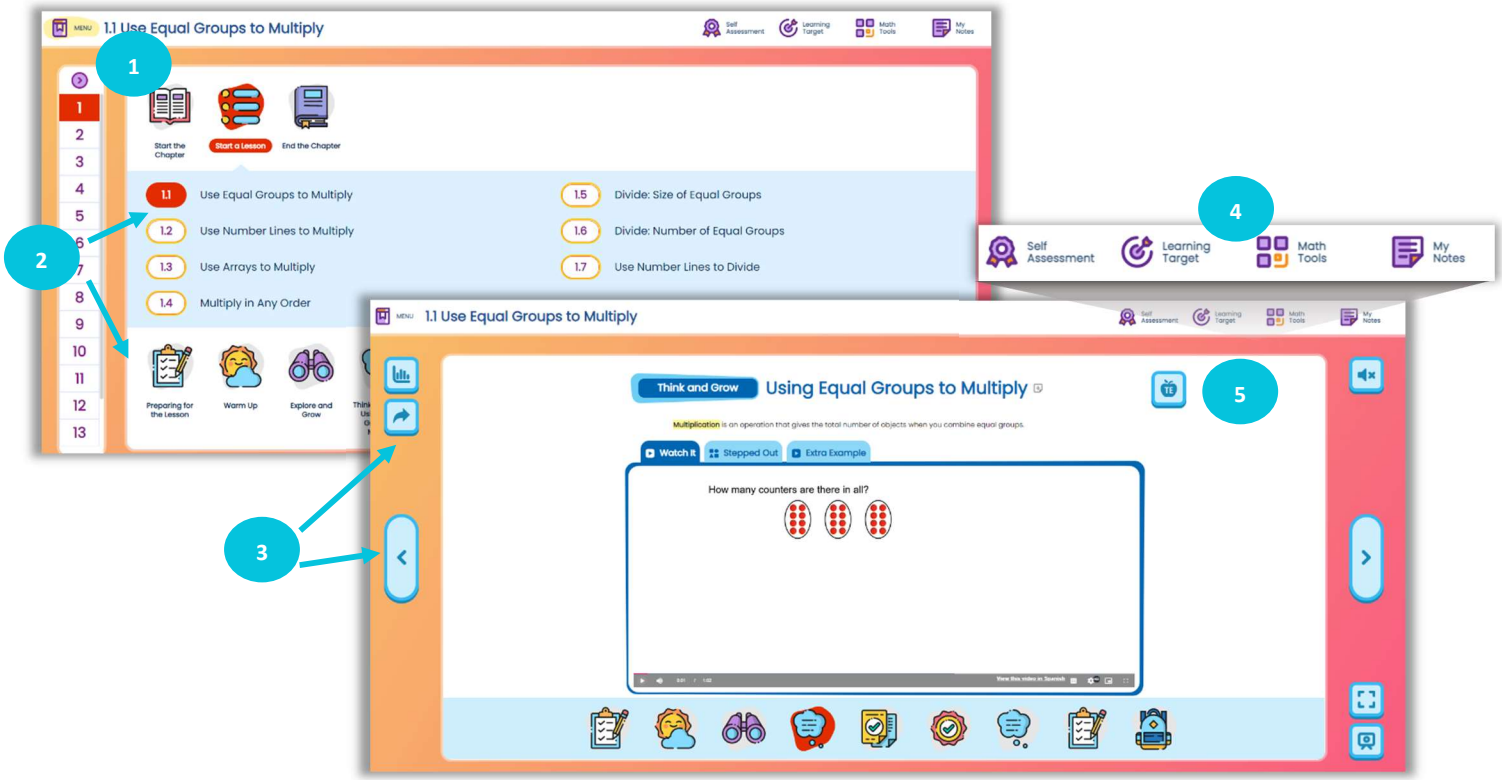
1. Select the **Chapter,** and choose **Start the Chapter, Start a Lesson,** or **End the Chapter.**

2. Choose **Start a Lesson** to open the lesson options.

3. Navigate within the lesson using the left or right arrows or the lesson icons at the bottom. Use the **Flip-To** to send all students to the same place.

4. View the **Self-Assessment** data, the lesson **Learning Target, the Math Tools,** and **My Notes** using the icons at the top.

5. Use the TE icon to view **Laurie's Notes** specific to each portion of the lesson.

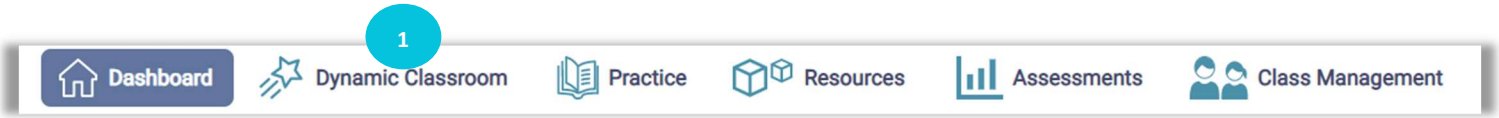


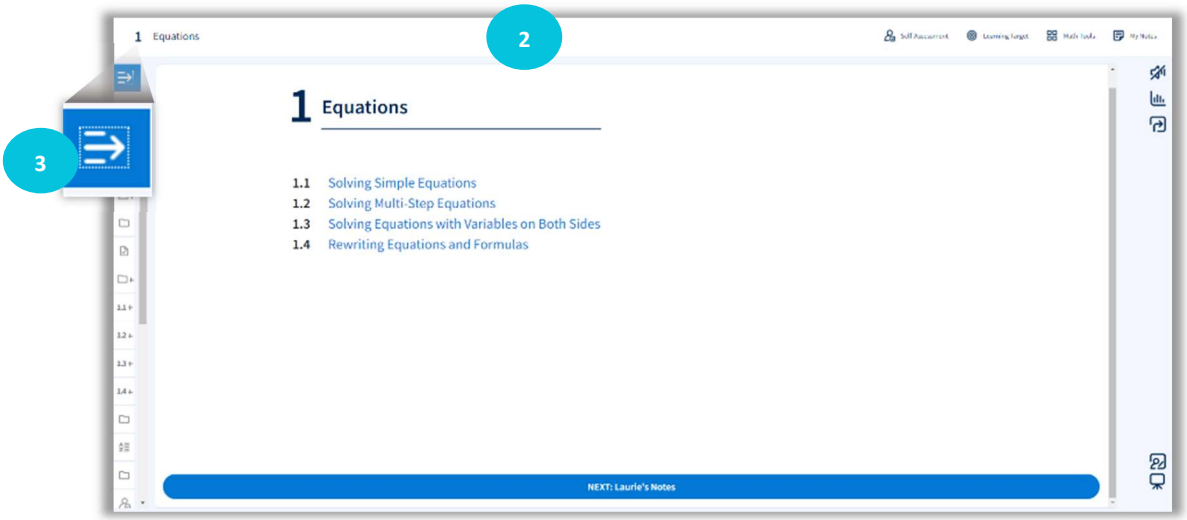
Dynamic Classroom and Dynamic Student Edition, 6-12

The **Dynamic Classroom** helps teachers facilitate lessons using the engaging explorations, digital examples, and interactive practice all at their fingertips. Teachers can even use the Flip-To feature to send students directly to a specific place in their **Dynamic Student Edition,** which is the companion student component without the teacher functionality. The Dynamic Classroom mimics the Dynamic Student Edition, so students can easily follow along in class.

How to Use

1. Find the **Dynamic Classroom** in the navigation bar at the top.
2. The Dynamic Classroom opens to the last place visited within the Dynamic Classroom. If this is the first time, it opens to Chapter 1.
3. Click on **Table of Contents** to navigate to a specific place within the Dynamic Classroom.





Dynamic Classroom and Dynamic Student Edition, 6-12

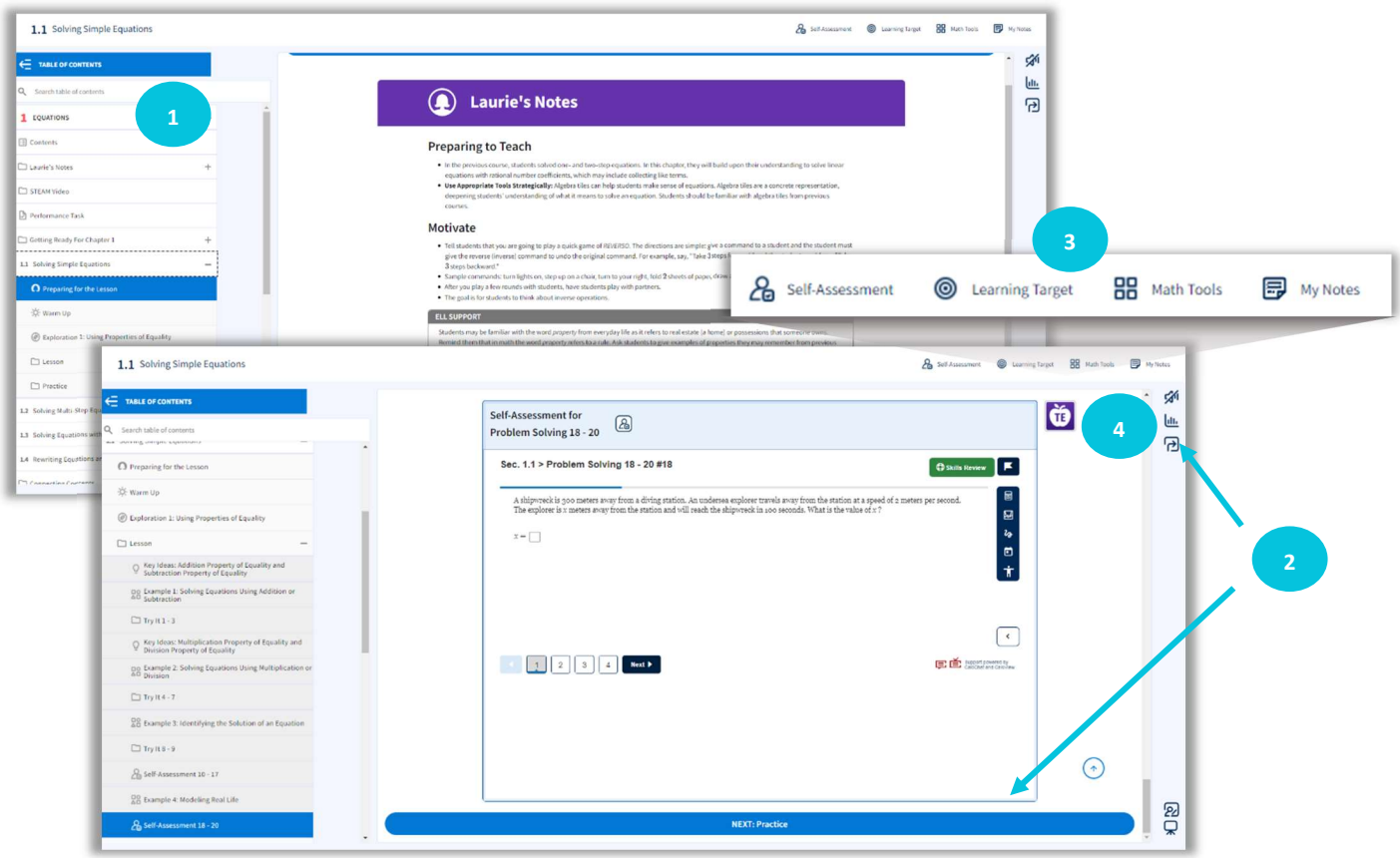
How to Use, cont.

1. Select the Chapter or Section content.

2. Navigate within the lesson using the blue buttons at the top and bottom, or by using the Table of Contents. Use the **Flip-To** to send all students to the same place.

3. View the **Self-Assessment data,** the lesson **Learning Target, the Math Tools,** and **My Notes** using the icons at the top.

4. Use the TE icon to view **Laurie's Notes** specific to each portion of the lesson.



Formative Check

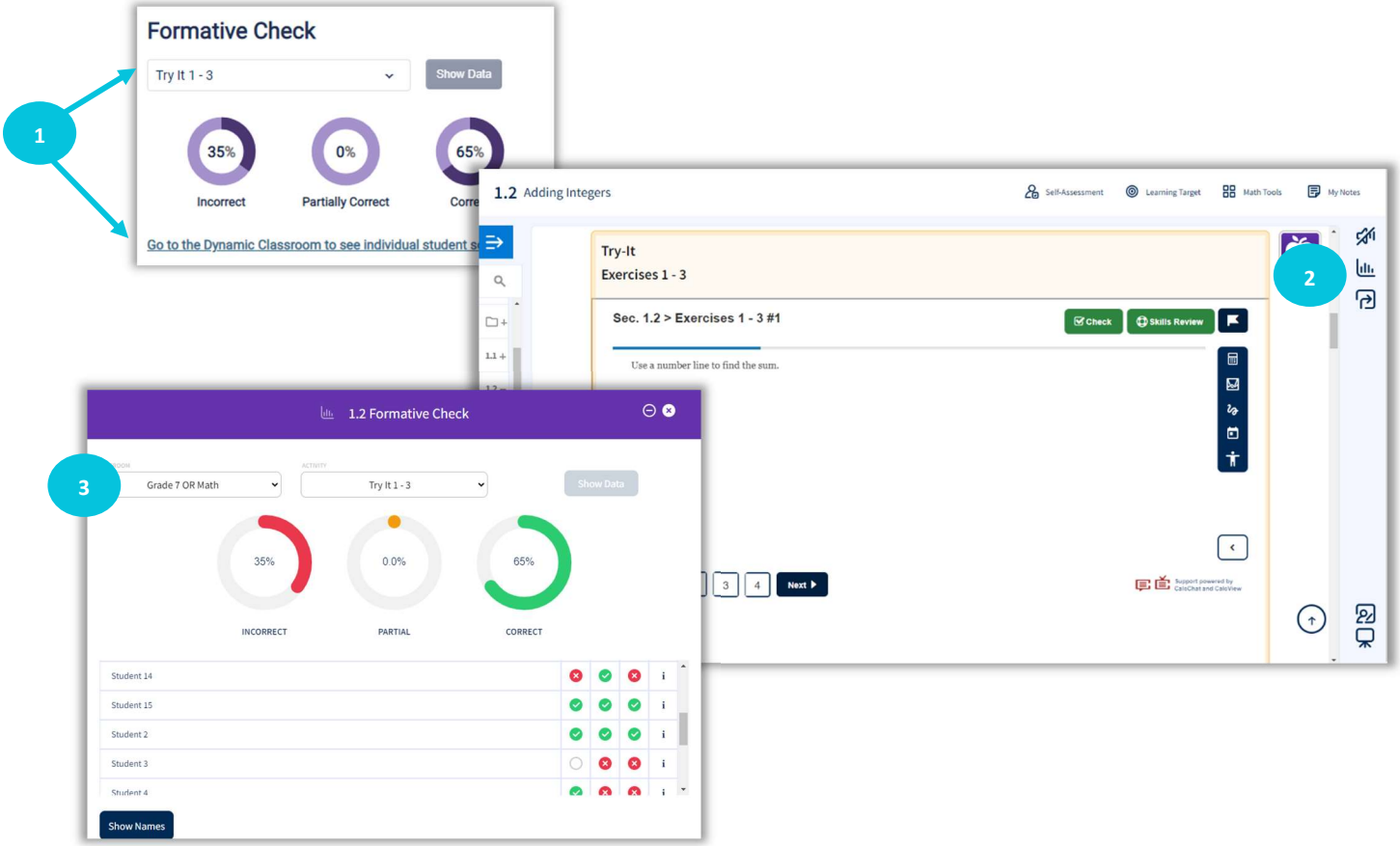
The **Formative Check** is a quick check to monitor progress. Students attempt practice exercises and teachers can view real-time reports, providing actionable data.

How to Use

1. Overall percentage data is available on the dashboard for the **Formative Check**. Choose the assignment from within the selected section. For individual student data, view the report in the **Dynamic Classroom.**

2. In the **Dynamic Classroom,** click the **Formative Check** icon to review the data on student performance, including a "thumbs-up" self-assessment.

3. Choose the class and content that students completed. Then click **Show Data.**



Self-Assessment

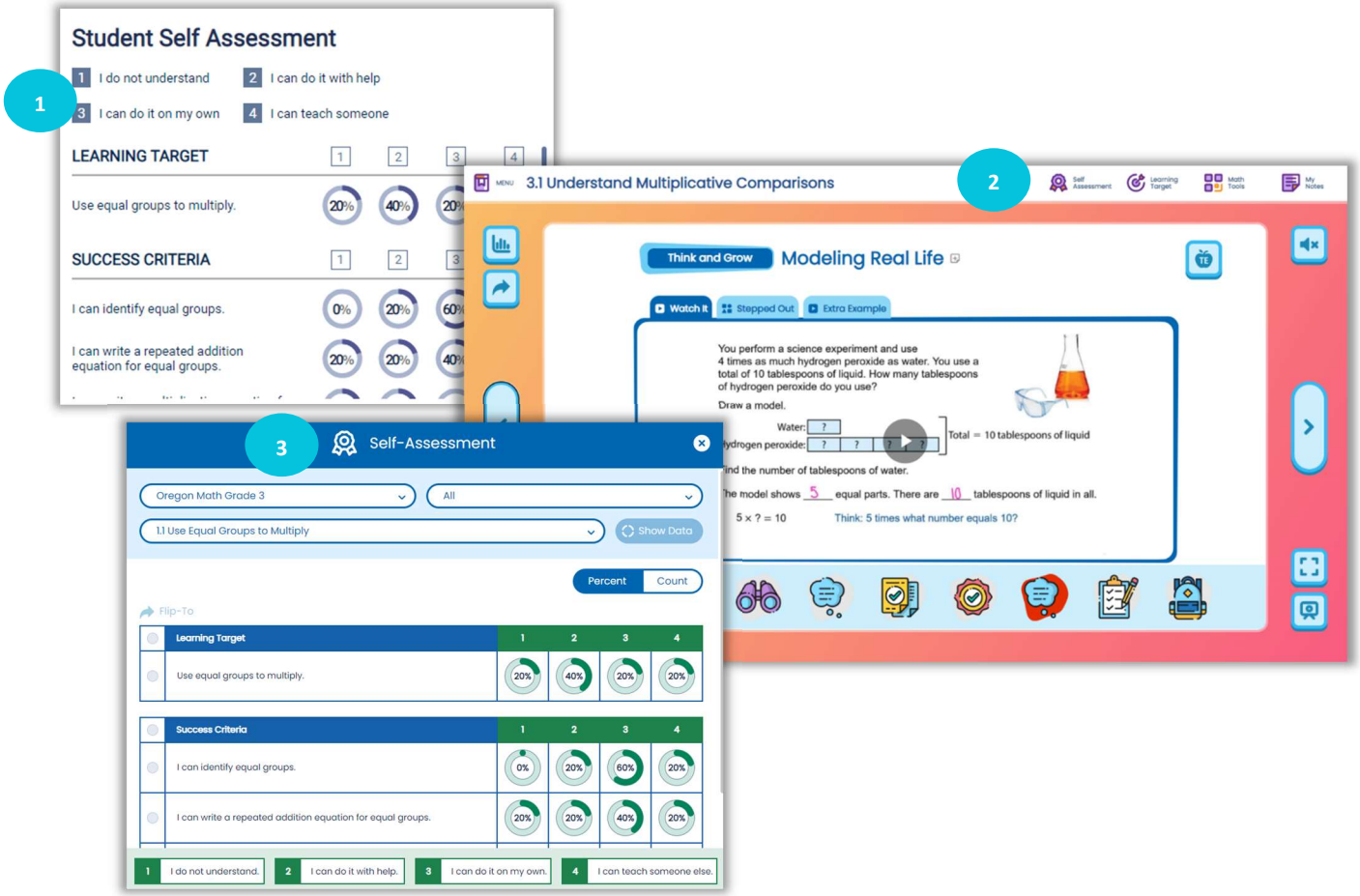
With the **Self-Assessment,** teachers receive data on how students perceive their learning progress as they rate themselves on the success criteria.

How to Use

1. **Student Self-Assessment** data is available on the dashboard for the selected section.

2. Within the **Dynamic Classroom/Dynamic Student Edition,** teachers and students select the **Self-Assessment** icon. Students rate themselves on the success criteria, populating the report. Teachers view the report for insight into student progress.

3. Select the class, student (optional), and content. Then select **Show Data.**

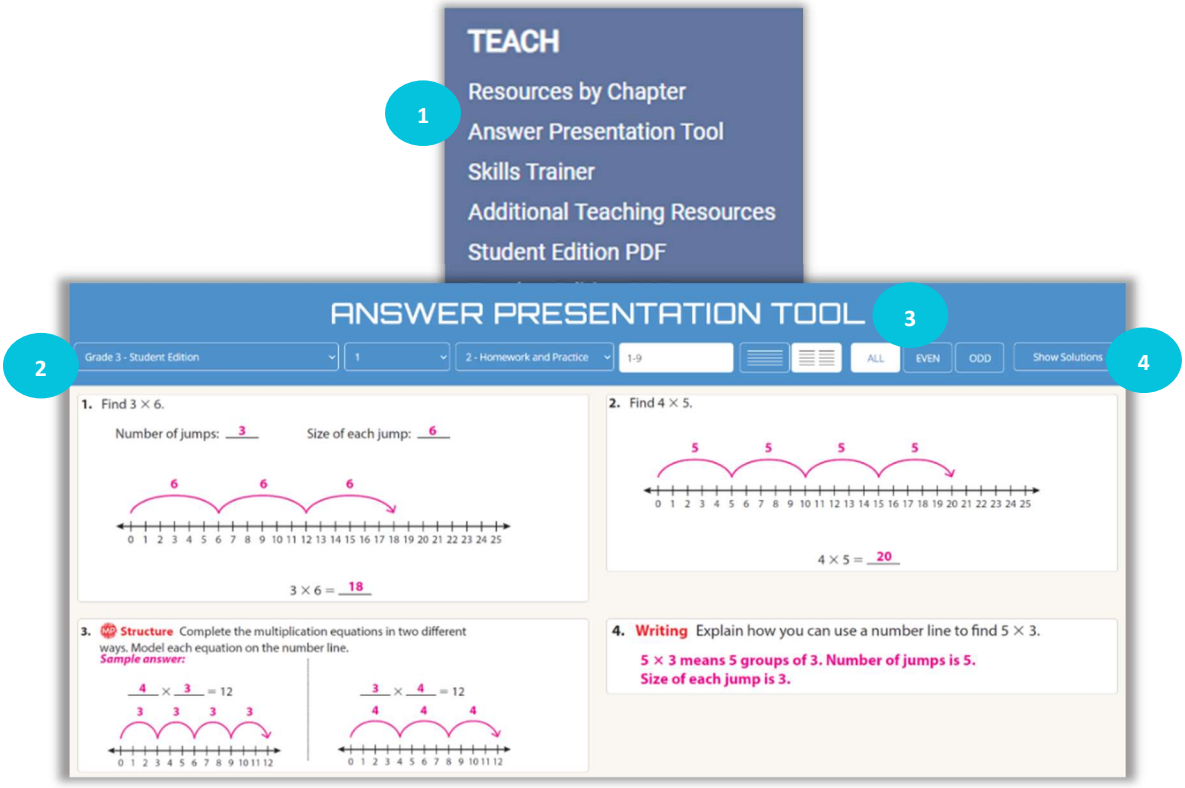


Answer Presentation Tool

The **Answer Presentation Tool** is used for reviewing answers with the class. With a quick click, students see the worked-out solutions which helps them find their own mistakes.

How to Use

1. Under the **Featured Components,** find the **Answer Presentation Tool.**
2. Select book, chapter, and section content.
3. Enter exercise numbers or select all, even, or odd. Choose one or two columns.
4. Click **Show Solutions.** Click on any answer to reveal the worked-out solution.

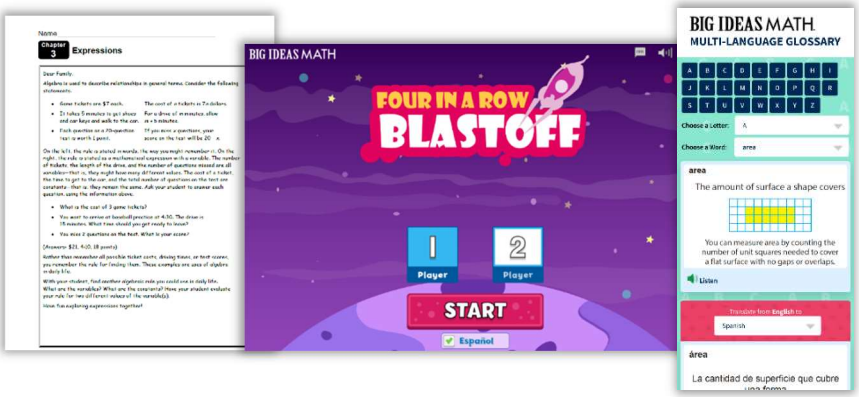


Resources

The **Resources** contain all the print and digital instructional tools to plan and teach the lessons, such as all the ancillary materials, editable Lesson Plans, Lesson Tutorials, and the Video Library. The entire K-12 program is available, so teachers can use any resource across the curriculum for differentiation or RTI.

Resources include:

- Additional Topics and Lessons
- Answer Presentation Tool
- Apps
- Assessment Book
- Chapter at a Glance
- Complete Materials List
- Counting Stories
- Cross-Curricular Projects
- Differentiated Rich Math Tasks
- Differentiating the Lesson
- Digital Examples
- Everyday Connections Videos
- Everyday Explorations Videos
- Explorations
- Family Letters
- Game Library
- Graphic Organizers
- Instructional Resources
- Interactive Tools
- Learning Targets and Success Criteria
- Lesson Example PowerPoints
- Lesson Plans
- Lesson Tutorials
- Math Musicals
- Math Tool Paper
- Multi-Language Glossary
- Opportunities to Practice the Modeling Process
- Pacing Guides
- Performance Tasks
- Practice Workbook (Grades K-2)
- Resources by Chapter
- SEL Resources
- Skills Review Handbook
- STEAM/STEM Videos
- Student Edition
- Teaching Edition
- Test Prep and Practice Workbook (Grades 3-Advanced Algebra)
- Vocabulary Flash Cards
- Worked-Out Solutions Key



Resources, cont.

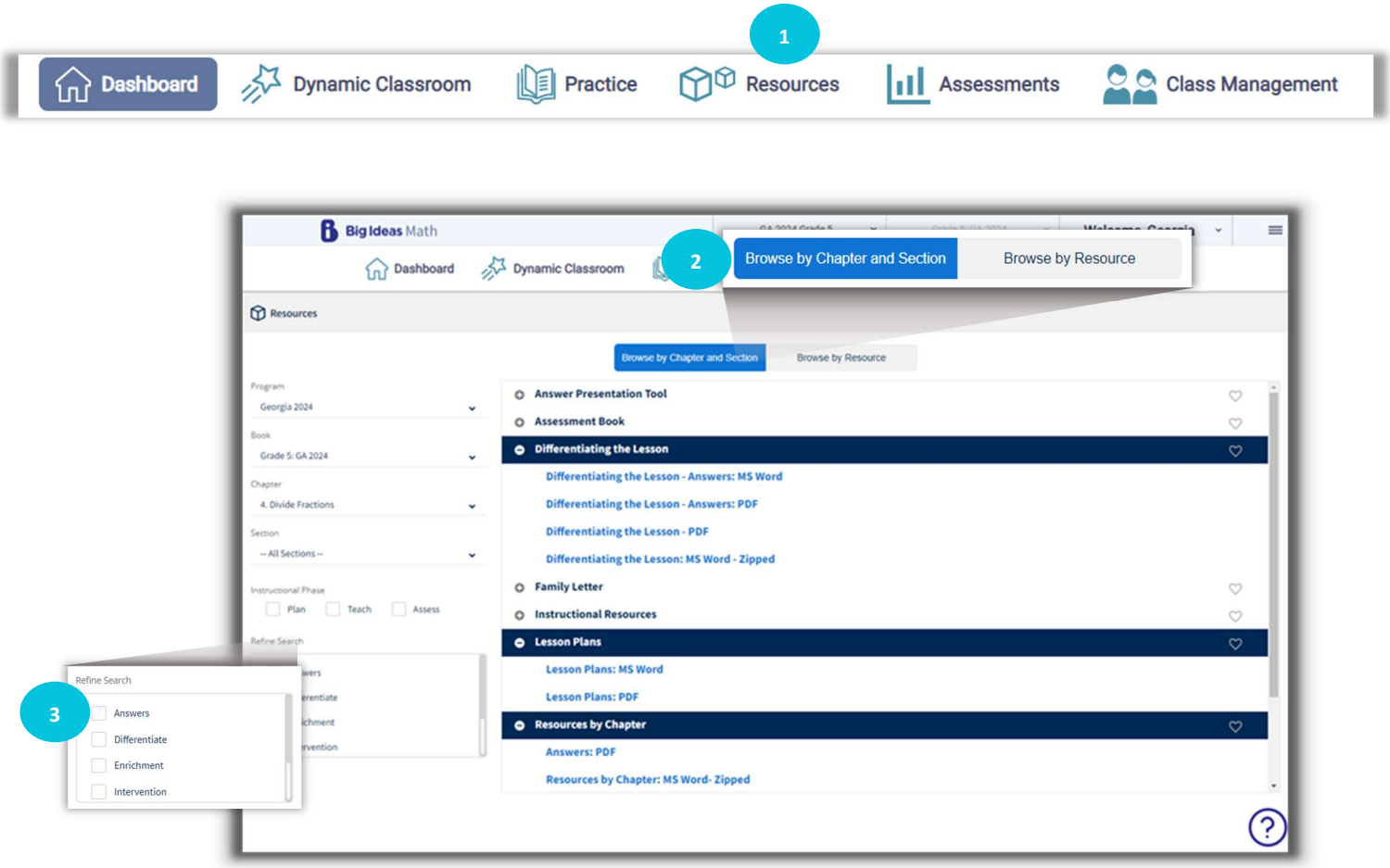
How to Use

1. From the site navigation, select **Resources.**

2. When in the **Resources,** select **Browse by Chapter and Section** or **Browse by Resource.**

    - **Browse by Chapter and Section** provides a list of all resources available for each lesson.
    - **Browse by Resource** categorizes the resources by type, and then drill down to the chapter and/or lesson.

3. Using either method, filter to refine the search.



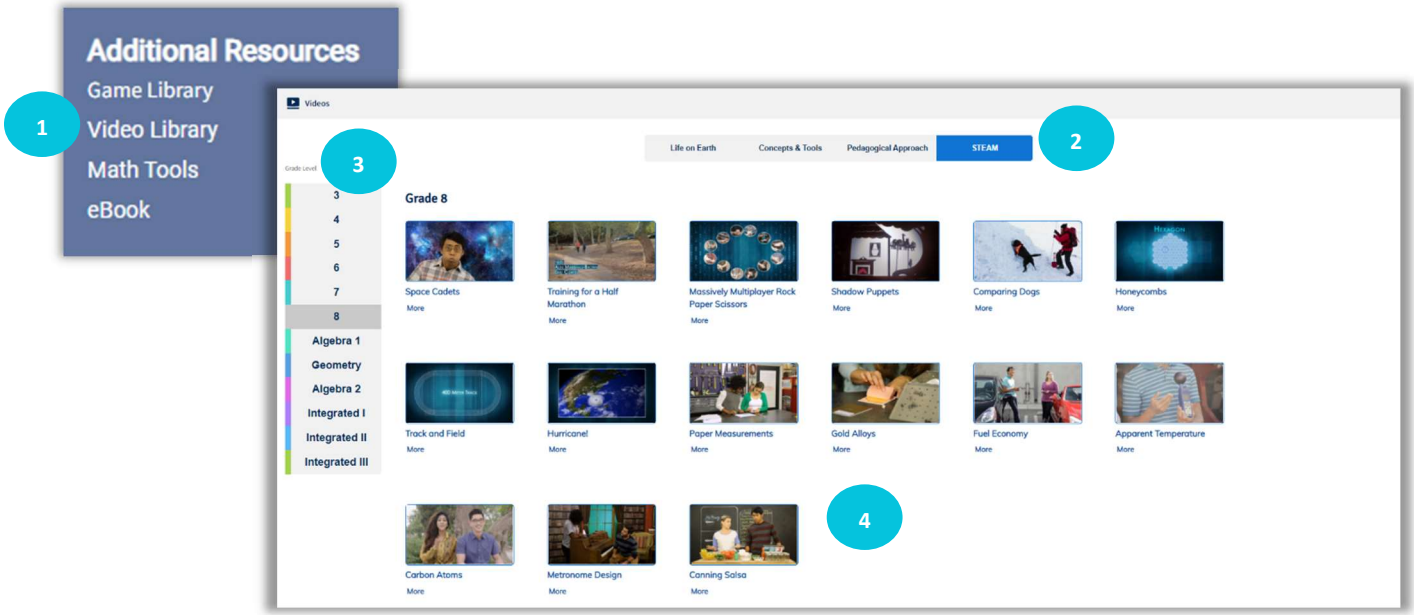
Video Library

Teachers can use the **Life on Earth** and the **STEAM/STEM Videos** with students in class. Life on Earth videos are engaging real-life examples of using mathematics through a science lens. STEAM/STEM Videos provide cross-curricular connections to real-life topics and come with Performance Tasks.

For professional development, **Concepts & Tools** videos help teachers learn about the manipulatives and how best to use them with students. In the **Pedagogical Approach** videos, a panel of teachers discuss best practices with author Laurie Boswell.

How to Use

1. Find the **Video Library** in the **Featured Components.**
2. Choose the video category.
3. Select the grade level or tool, if required.
4. Select the video to play.



Game Library

The **Game Library** includes digital and print-based games for one or two players to help students practice skills learned in class. Teachers and students have access to all games across the kindergarten through high school curriculum. Spanish audio and translated PDFs are also included to help with engagement in class and at home.

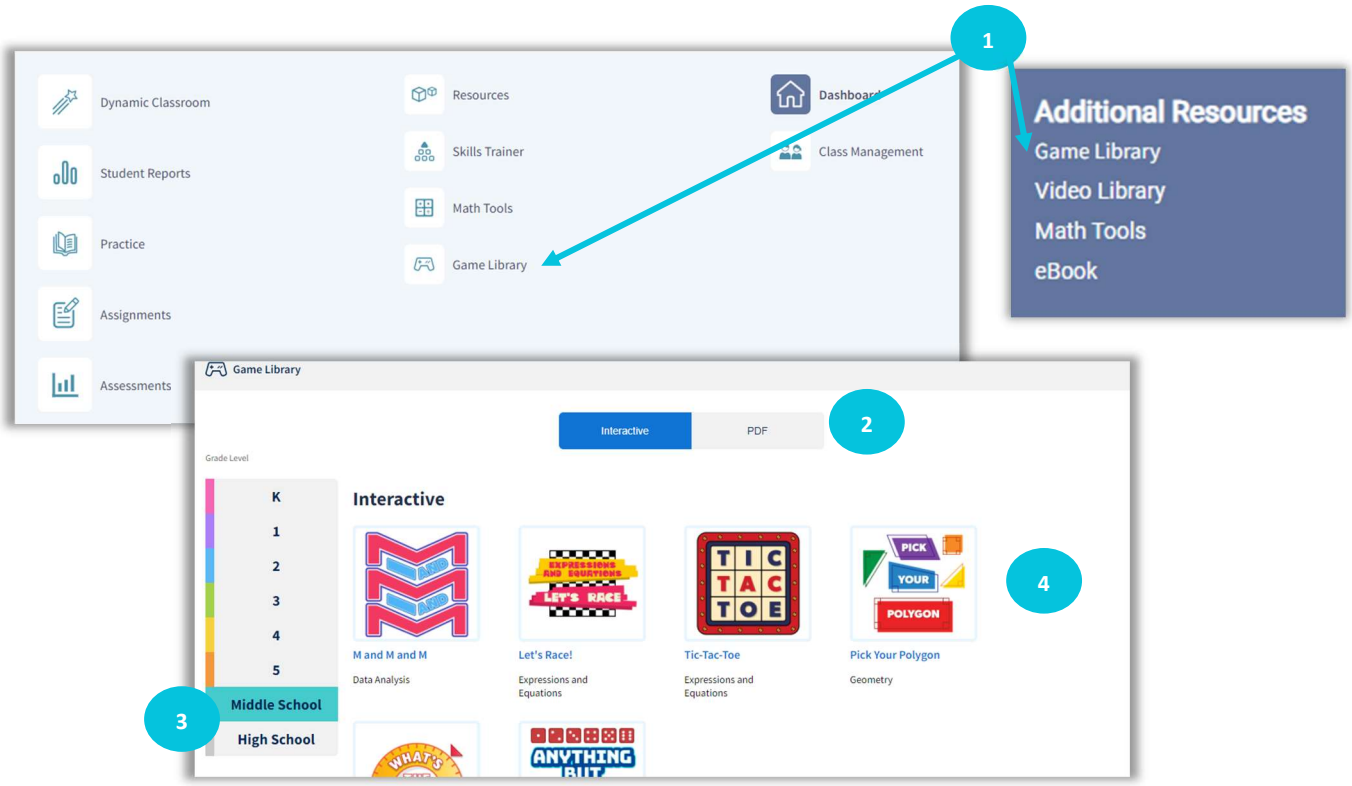
How to Use

1. Find the **Game Library** in the site menu. It can also be found in the **Additional Resources** on the dashboard.

2. Choose **Interactive** or **PDF**.

3. Choose the grade level or grade band.

4. Select the game.



Math Tools

The **Math Tools** offer interactive manipulatives, Math Tool Paper, and Graphic Organizers to further support in-person or virtual learning.

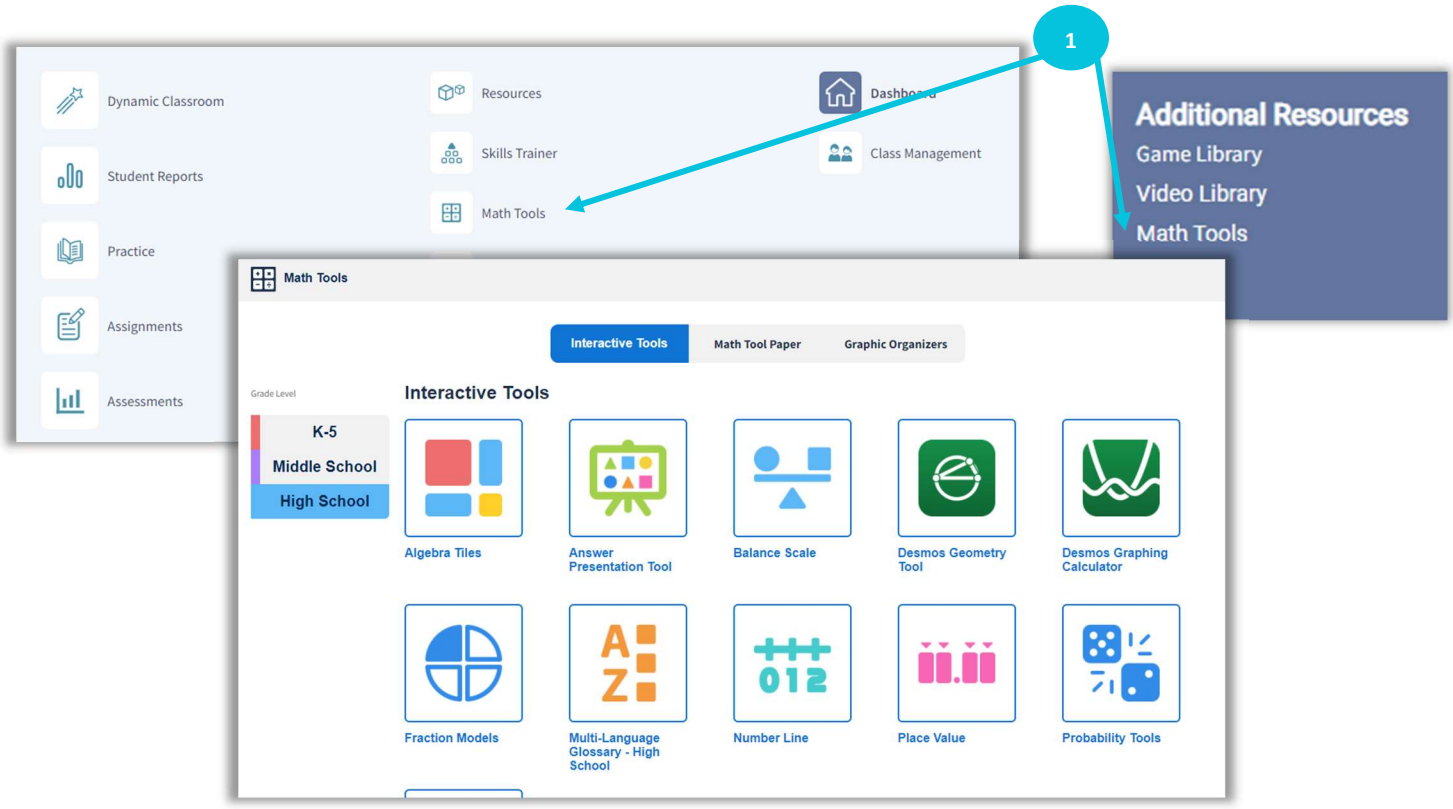
How to Use

1. Find the **Math Tools** in the site menu. It can also be found in the **Additional Resources** on the dashboard.

2. Select the type of tool: **Interactive Tools, Math Tool Paper,** or **Graphic Organizers.**

3. Choose the grade band.

4. Choose the tool.



Math Musicals

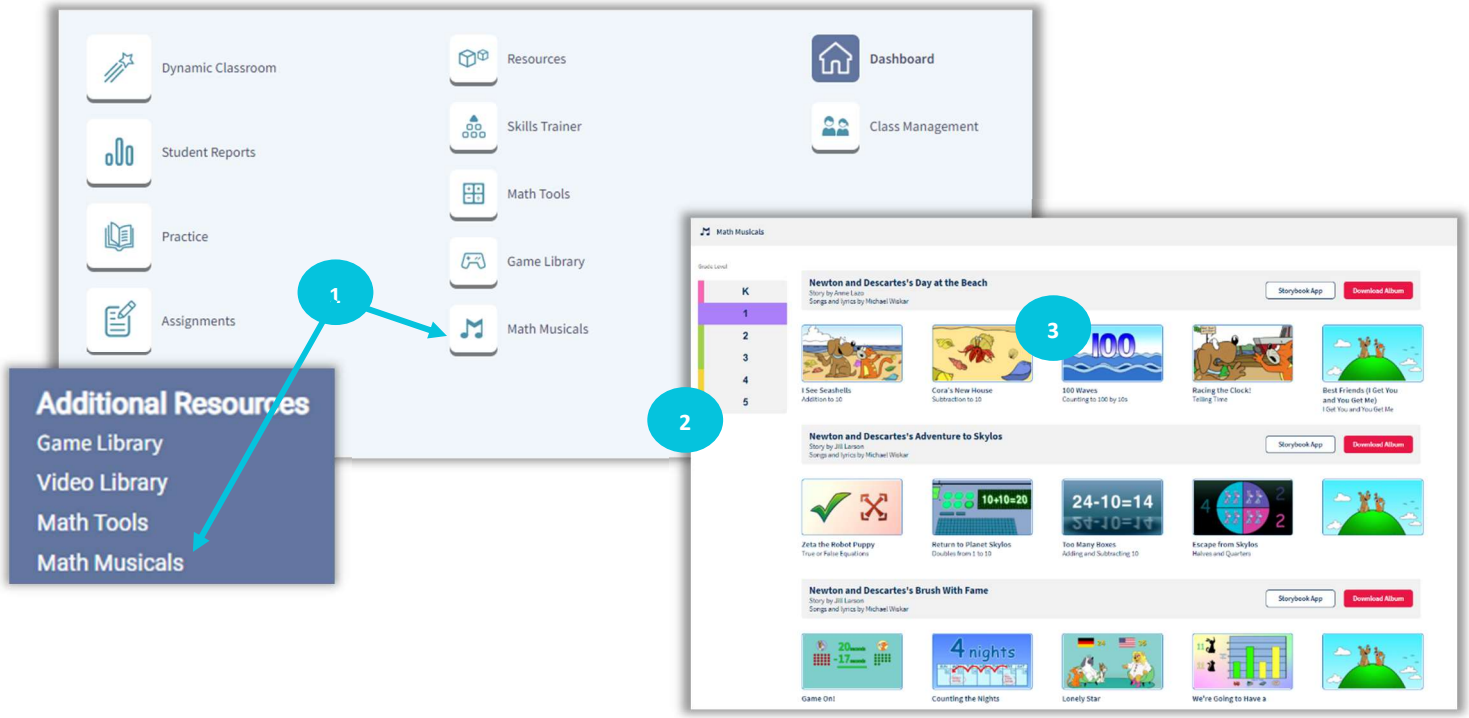
Math Musicals are engaging math stories with catchy songs found in the K-5 curriculum. The songs come with the lyrics and sheet music, as well as an animated music video. The Differentiated Rich Math Tasks help teachers to meet students where they are at with engaging tasks associated with the stories. The **SEL Guiding Questions for Math Musicals** document in the Resources section ties social and emotional learning strategies into the stories.

How to Use

1. Find the **Math Musicals** in the site menu. It can also be found in the Additional Resources on the dashboard.

2. Choose the grade level.

3. Select the Math Musical to view the animation along with all the associated resources.



PRACTICE, ASSESSMENT, AND REPORTS

Activity Library

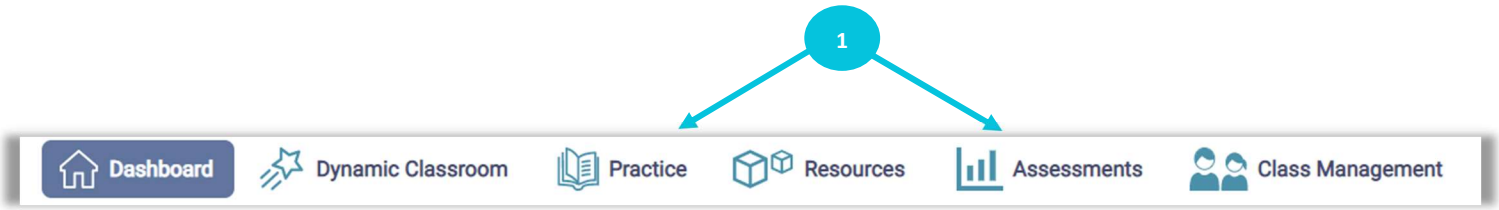
Teachers can find and create assignments in the **Activity Library.** They can choose from premade assignments aligned to course content, create their own assignments, or use assignments created and shared by other teachers within the district.

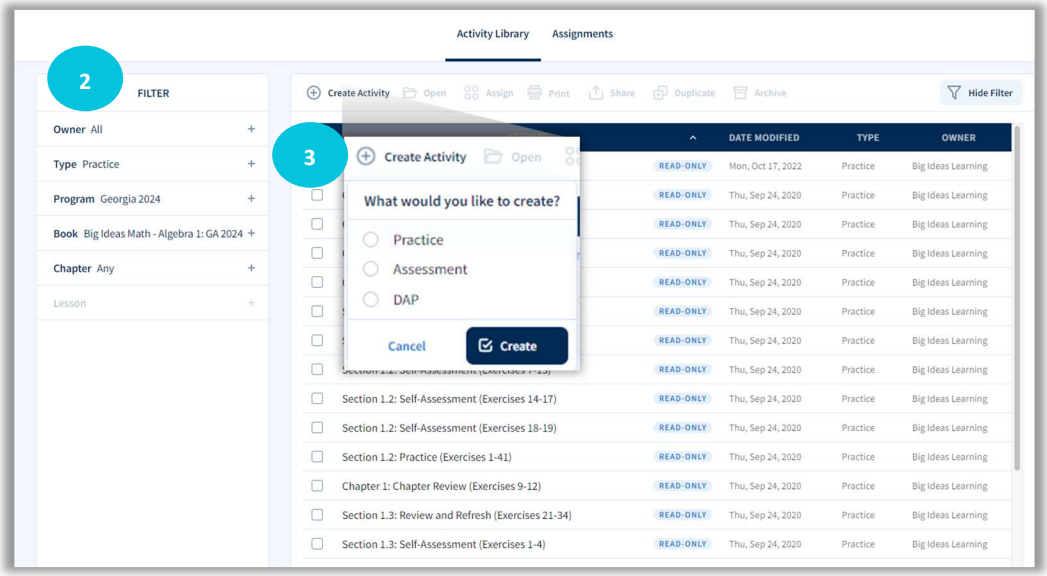
How to Use

1. Find **Practice** or **Assessments** in the site navigation.

2. Use the filters to find past saved or shared assignments to assign.

3. Or, select **Create Activity** to create a new Practice or Assessment, or assign the DAP (Diagnostic Adaptive Progression) Assessment.





Assignment Builder

Teachers can use the **Assignment Builder** when they are ready to create their own assignments.

How to Use

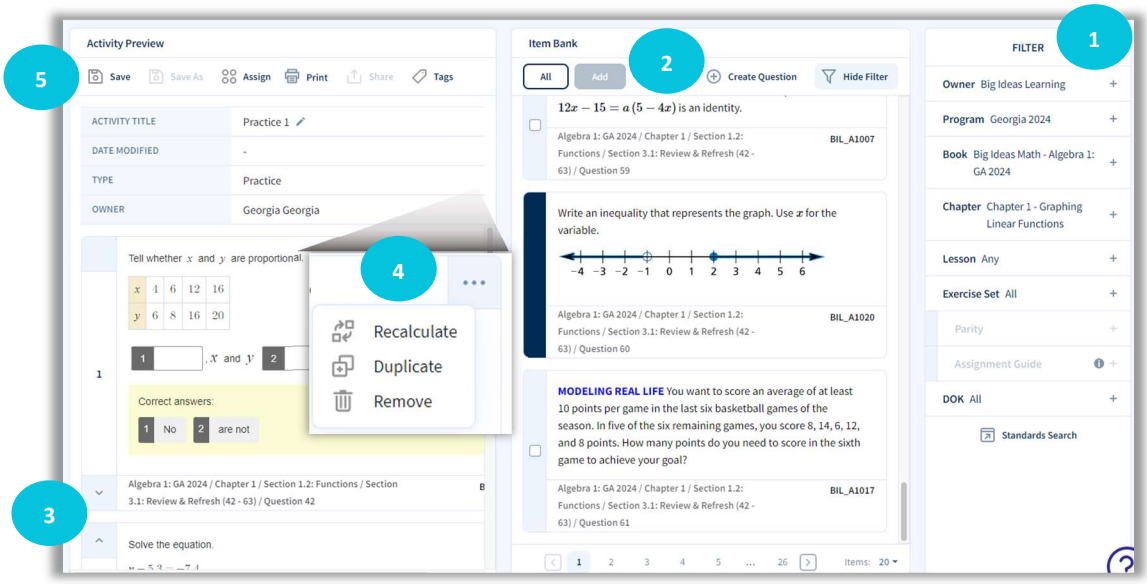
1. Start on the right to filter the questions by owner, program, book, chapter, and lesson. Filter the exercises to show only even or odd or follow the Assignment Guide suggestions from the Teaching Edition. The last option is to search by standard.

2. This populates questions to choose in the Item Bank. Select the items to add to the assignment, and then click **Add** to move them to the assignment.

3. In the **Activity Preview,** rearrange the questions by using the arrows on each question.

4. On assessments, recalculate the values in the questions or duplicate the question to add an additional question of the same type with different values.

5. Once satisfied with the assignment, save, assign, or print the assignment. Adding tags will help to easily find the assignment again later in the Activity Library. When assigning the activity, the options change based on whether the activity is a practice or an assessment.



DAP (Diagnostic Adaptive Progression) Assessment

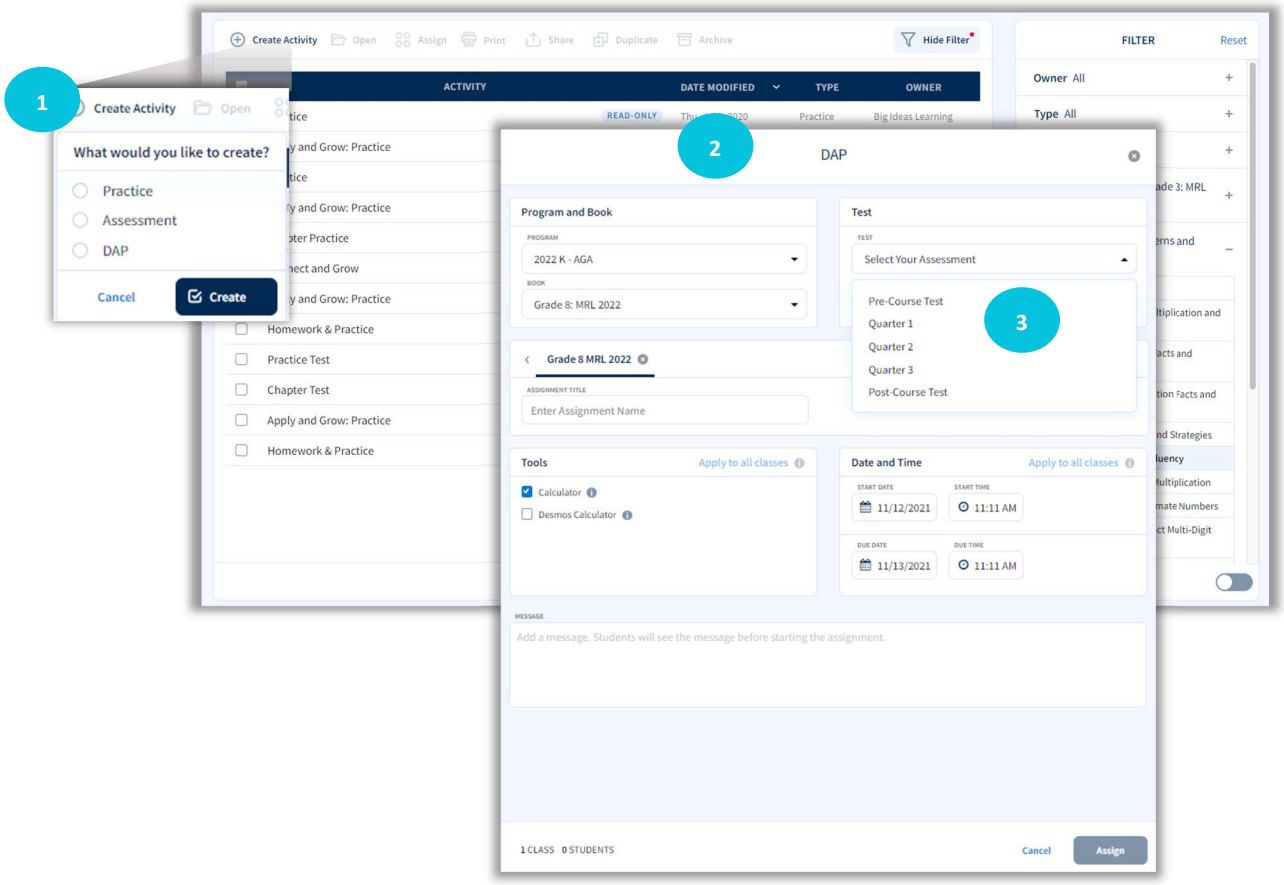
The DAP (Diagnostic Adaptive Progression) Assessment measures learning across grades periodically throughout the year. The DAP Assessment gives teachers full insight into where students fall on the continuum of skills using questions that adapt based on student responses.

How to Use

1. From the Activity Library, click on **Create Activity.** Choose **DAP.**

2. Fill out the required information to assign the test.

3. The test options include a Pre-Course Test, Quarter 1, Quarter 2, Quarter 3, and the Post-Course Test.



Reports

When students complete assignments, data is populated in the **Reports.** The detailed reports for individual assignments allow teachers to make data-driven decisions to accelerate learning. The **Reports** from the site menu allow teachers to compare data, which helps track performance and see growth over time.

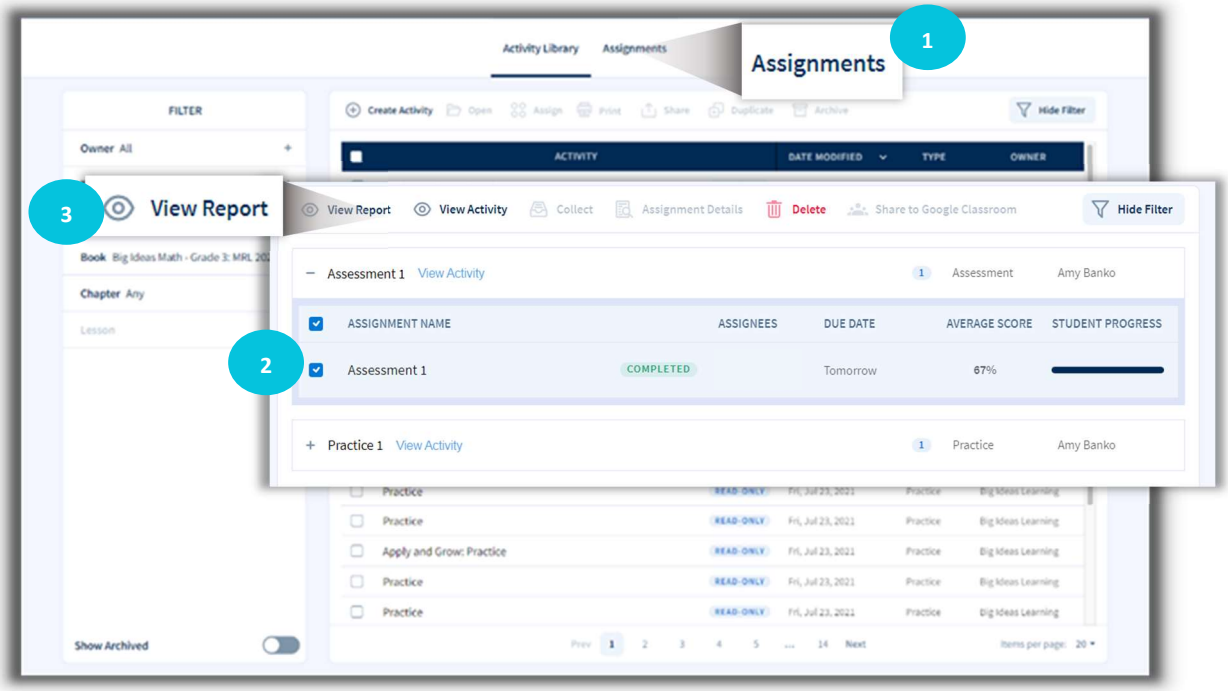
How to Use

View individual assignment reports by going back to the Activity Library.

1. Click on **Assignments.**

2. Check the box of an activity.

3. Click **View Report.**



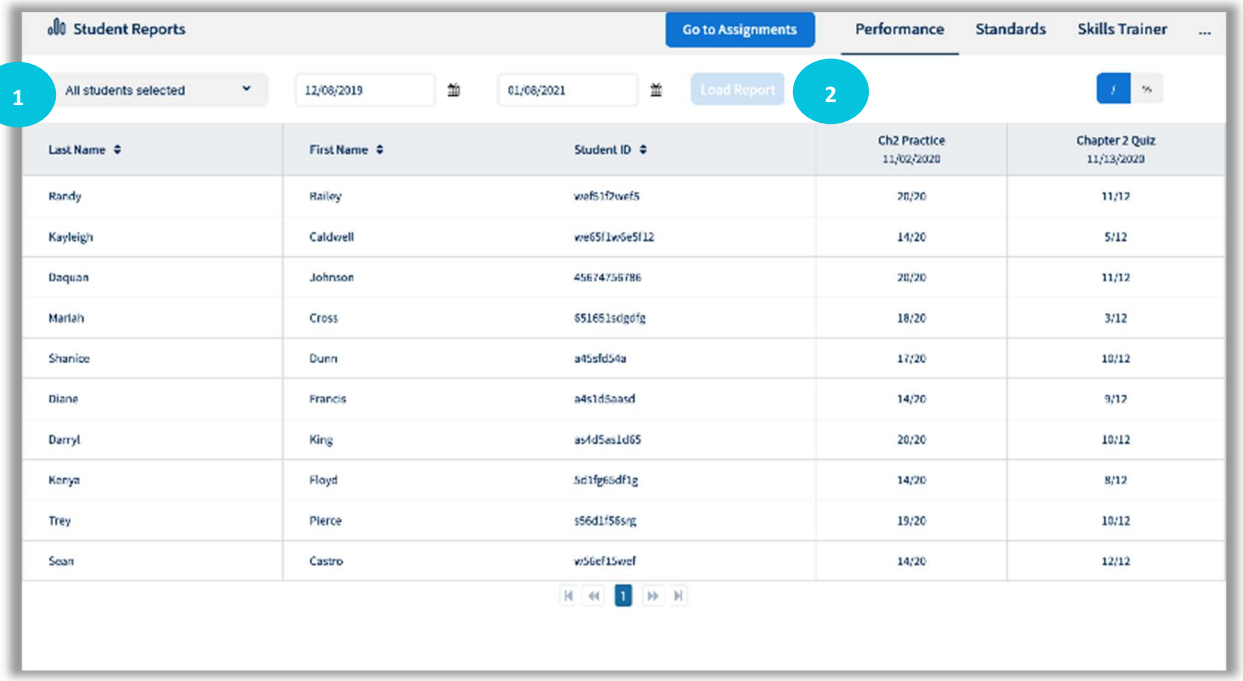
Reports, cont.

How to Use, cont.

Comparative data reports are available by Performance, Standards, and the Skills Trainer.

1. Select the student(s) and enter a date range.

2. Click **Load Report.**

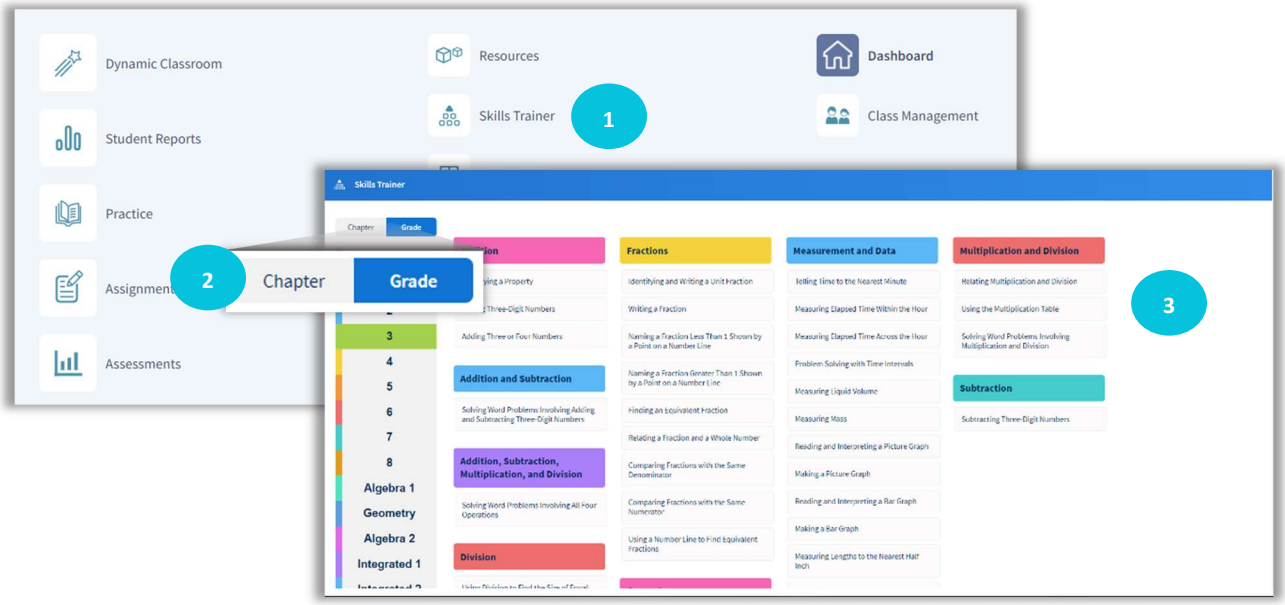


Skills Trainer

The **Skills Trainer** allows students to practice independently on skills aligned to each chapter in their book or aligned to a specific grade. Track progress over time in the Reports from the site menu.

How to Use

1. From the site menu, choose **Skills Trainer.**
2. Choose Chapter or Grade.
3. Select the topic.



Have questions? We are here to help!

Visit the Help Center from the main navigation. For further support, find additional resources to be successful with *Georgia Math* at bigideaslearning.com/customer-support

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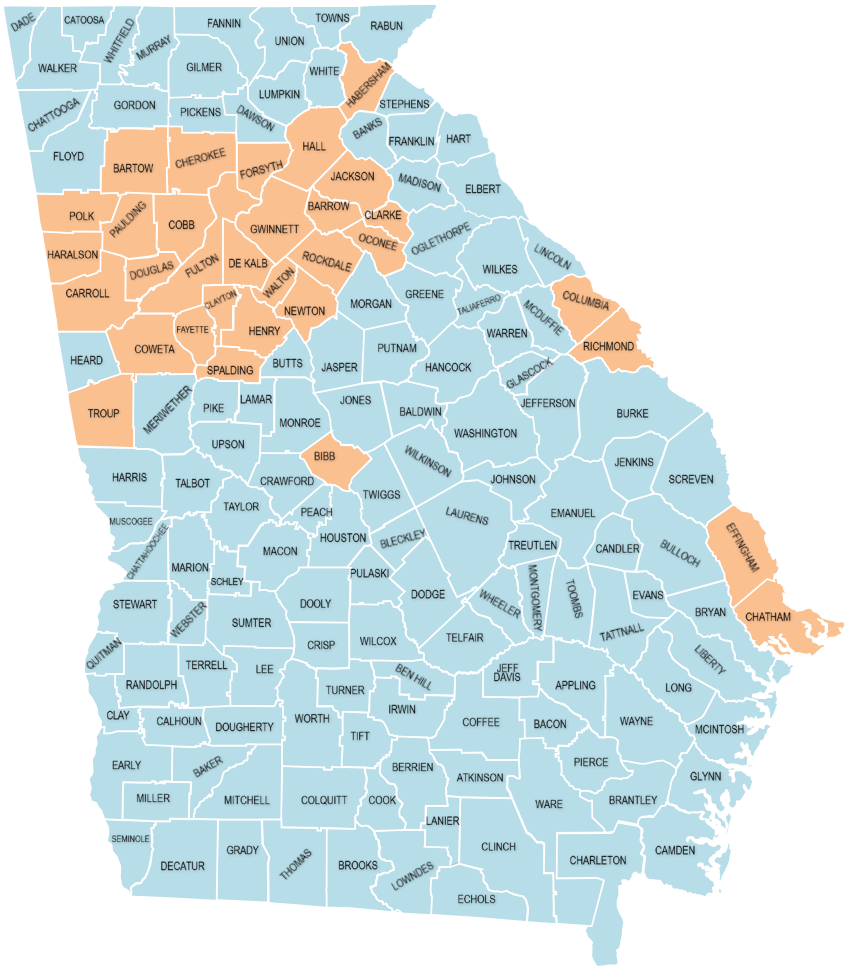

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