Digital Walkthrough

Big Ideas Learning

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The *Math & YOU* digital experience, **ada**, is a new, exciting, highly flexible teaching and learning environment. On **ada,** teachers can efficiently plan, teach, and assess their students, all while offering engaging digital resources that foster the learning of mathematical knowledge and skills.

Planning, Teaching, and Assessing
You can leave the Teaching Edition in the classroom because **ada** provides you with everything necessary to plan your lessons. The teacher's Digital Experience includes interactive resources, practice, homework, and both formative and summative assessments that support any learning environment and accelerate learning for all students.

With **ada,** everything is at **point of use**; you no longer need to search through an entire site to find all the content and resources.
- Plan with all your resources… at point of use.
- Present the content you want to use… at point of use.
- Customize your lessons… at point of use.
- Assign all content… at point of use.
- See what students see… at point of use.
- Formatively and summatively assess … at point of use.
- View and analyze reports … at point of use.

At Big Ideas Learning, we believe that empowering teachers is crucial for implementing effective teaching strategies that accelerate student learning. That is why **ada** is designed to empower you in your teaching journey.

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GETTING STARTED

Sign On

At **myadamath.com,** enter the username and password provided to you, and click **Log In**. If you do not have a username and password, reach out to your National Geographic Learning Representative.
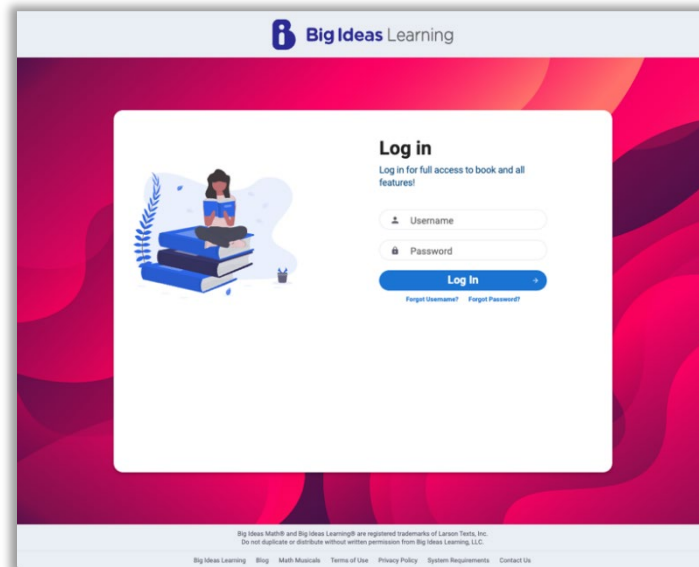
Once logged in, you will land on the **Courses** tab, where you will see any classes that have already been set up for you.

Optional: Create a Class

Classes are preloaded for you. If you would like to review the "Add a Class" feature, follow these steps.

1. Click **Manage** and then select **Classes**.
2. Select **Create New Class.**
3. Name the class and assign a grade. Click **Save**.
4. Assign a course to the class by clicking **Allocate Course.** This becomes active once you save the class.
5. Select the course and click **Allocate Course.** This becomes active once you select the book.

Optional: Add Students

If you would like to experience the **Manage Students** feature, follow these steps.

1. Click **Manage** and then select **Students**.
2. Search for a student from the list in the search bar and then select the student.
3. If the student is not yet in the system, click **Create New Student** and fill out the required information.
4. Select **Add to Class** to add a student to a specific class.
5. Select the box next to the class name and select **Add to Class.**

Optional: Create Groups

Groups allow teachers to quickly and easily assign practice or assessments to certain students. If you would like to experience the **Create Groups** feature, follow these steps.

1. Click **Manage** and then select **Classes**.
2. Select the **Class Name** where the groups will be created.
3. Scroll down until you see **Students**. Select **Groups.**
4. Select **Create New Group.**
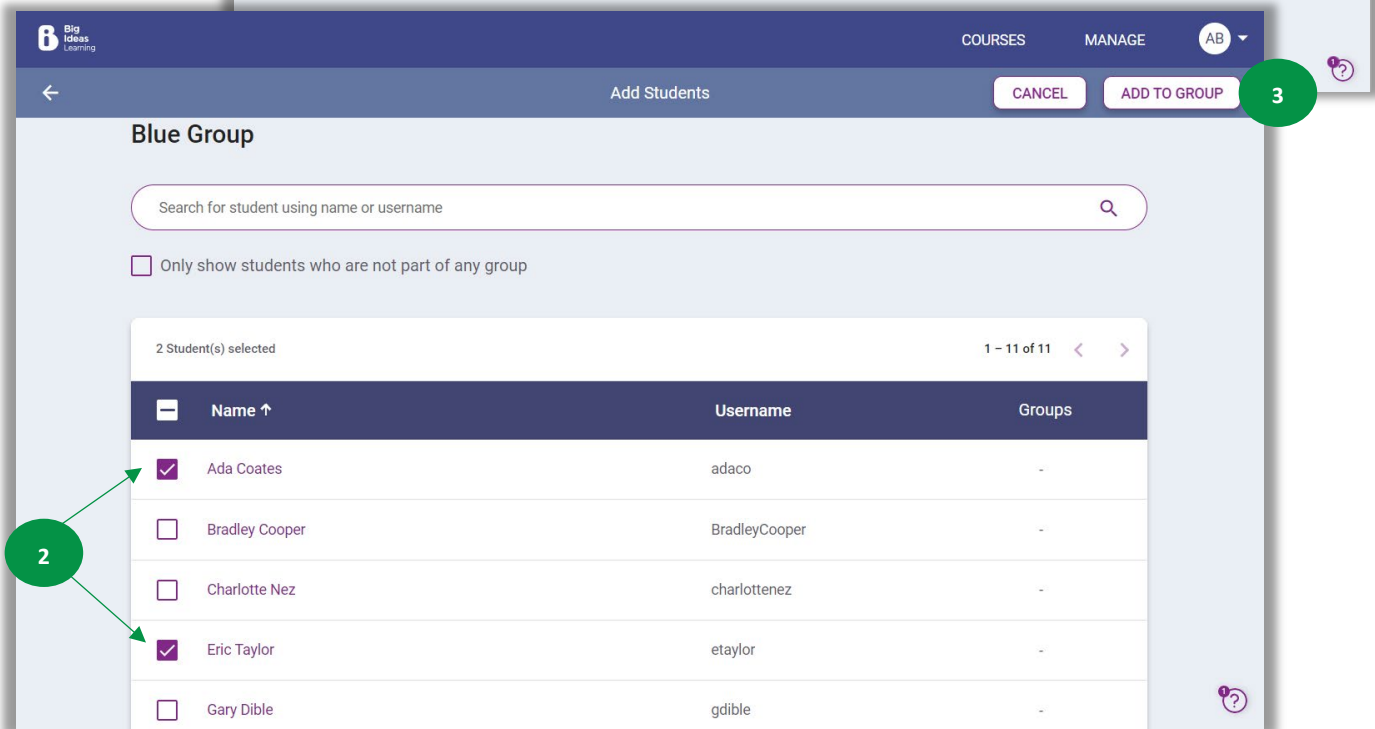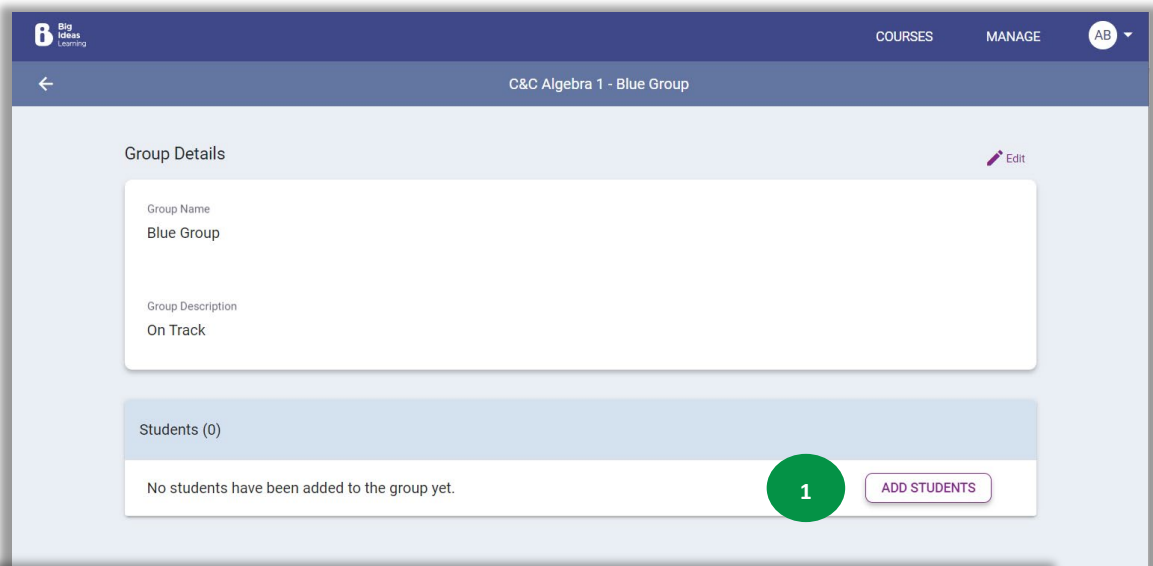5. Enter a name for the group. The Group Description is optional.
6. Click **Save.**

Optional: Create Groups, cont.

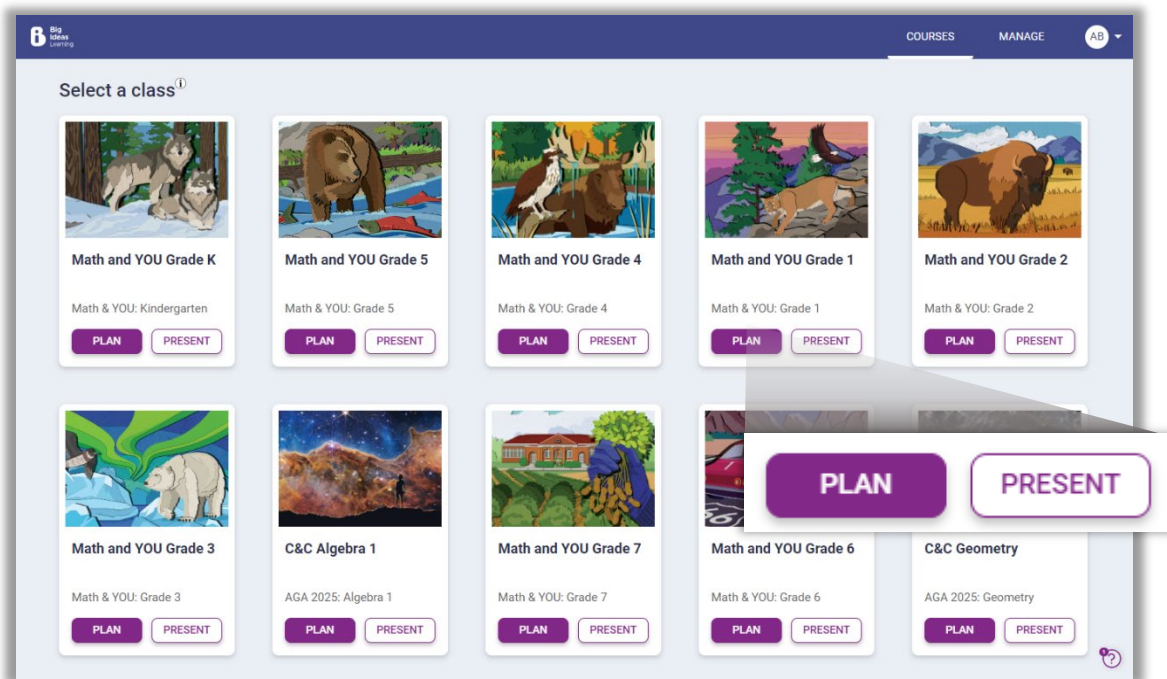Once you click **Save,** you can add students to the groups.

1. Click **Add Students.**
2. Select the students to add to the group.
3. Click **Add to Group.**

Explore

On the **Courses** tab, class tiles provide you with the class name, book associated to the class, and the option to **Plan** or **Present.**

To plan your chapters and lessons, click **Plan.** Here you can:
- review your program content,
- access resources,
- create assignments, and
- customize the learning path to suit both your presentation style and the specific needs of your students.

Click on **Present** when you are ready to teach a lesson, which turns the content into presentation slides.

PLAN AND TEACH

Navigate Plan Mode

Plan mode allows teachers to preview content and make informed decisions about which aspects of a lesson to include in **Present** mode and/or provide to students in their learning path.

1. Select **Plan** for one of the classes on your **Courses** tab.
2. Choose **Dashboard** to see an overview of student assignment and assessment data.
3. Select **Present** to launch the current content into teaching mode.
4. Choose **Student Preview** to see content exactly how your students will see it.
5. Look at the hierarchy, or "breadcrumbs," to identify where you are in the sequence of content. Click any of the links to go to that part of the Learning Path.
6. To switch to a different class, use the drop-down menu in the upper left-hand corner, or select your initials in the top right-hand corner, and choose **Courses.** This will take you back to the Courses tab.

Navigate Present Mode

Present quickly launches your content into full-screen teaching mode for whole class, small group, and individual instruction.

1. Select **Present** from one of your classes on the **Courses** tab, or if already in **Plan** mode, select **Present** from the navigation bar.
2. Lesson content opens in full screen mode.
3. Use the left and right arrows to progress through content that you toggled on during your planning. (See page 15.)
4. The **hamburger menu** opens the Table of Contents to navigate to other lessons.
5. **Targets** opens the Learning Targets, Success Criteria, and Standards to display to students.
6. **Switch Mode** changes the functionality during **Present** mode to **View Only, With Answer and Feedback,** or **Interactive + Feedback**. View Only is only for display. With Answer and Feedback display the answers and positive feedback. Interactive + Feedback allows you to input answers and check them live to get instant feedback.
7. Select **Exit** in the top right corner to close **Present** mode and go back to **Plan** mode.
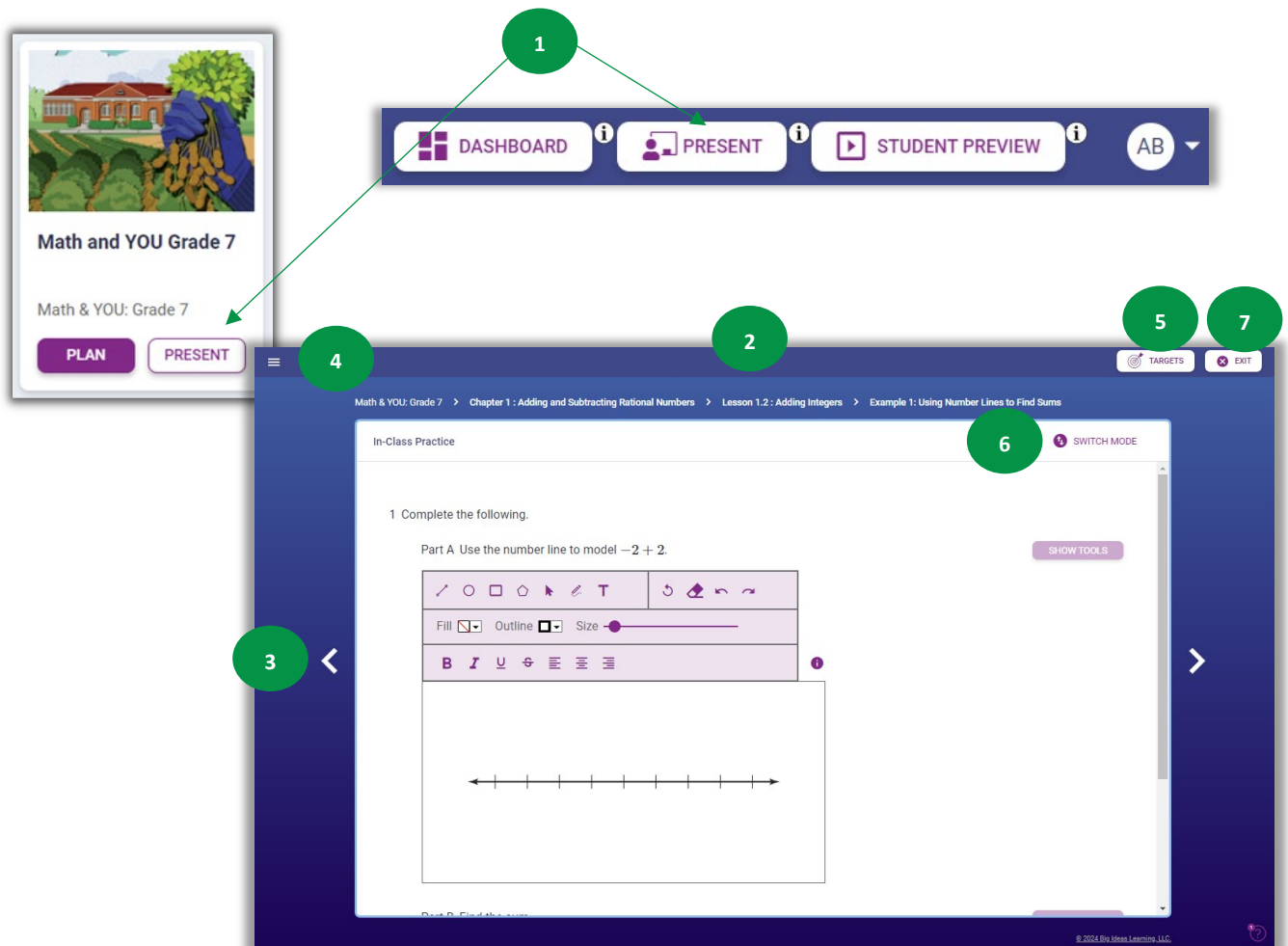
Learning Path

With **ada,** the Learning Path is the table of contents and lesson plan. Use it to browse for resources and review the sequence of the content provided.

1. From **Plan** mode, use the table of contents to choose a **chapter**.
2. Use the arrows to expand or collapse the content.
3. Choose any of the resources from the **Learning Path,** such as **Pre-Course Tests, Course Resources, Standards-Based Practice, Math Tools and Graphic Organizers,** and more.
   You can also choose any of the chapter opening content, a specific lesson, or the chapter ending content.
4. Review **Teacher Notes**, **lesson activities,** and **resources** to prepare lessons.
5. Select **Targets** to review the Learning Targets, Success Criteria, and Standards for the lesson.

Dashboard

The **Dashboard** provides a convenient overview of student assignments and assessment data without navigating to a new page.

1. From **Plan** mode, select **Dashboard.**
2. The **Overview** tab shows Recent Assignments, a Summary of Past Assignments, Student Self-Assessment data by chapter and lesson, the class Roster, any Favorite Resources, and Recommended Resources using the system's recommendation engine.
3. The **Assignments** tab provides access to all assignments for the class in three categories.
4. **Now** assignments are current, active assignments. **Upcoming** are scheduled assignments that students cannot access yet. **Past** assignments are any assignments that are completed or are past the due date.

Recent Assignments

Name	Start Date	End Date	Mean Score %	Turned in %	
In Class Practice 3	07-22-22	07-23-22	75	50	
In Class Practice 3: Reasoning	07-22-22	07-23-22	50	100	
Practice Test 2	07-22-22	07-23-22	100	75	
1.3 Practice	09-22-22	09-23-22	0	0	

Assignments

Now	Upcoming	Past ●

1 – 1 of 1

Name	Type	Start ↑↓	Due ↑	Not Started	Completed	Graded	Actions
Student Assignment Lesson 1.1: Use Equal Groups to Multiply Description - Please do this assignment	Pre-check + Self-assessment	06-05-23 2:20 PM	06-28-23 2:20 PM	4 of 4	0 of 4		...

1 – 1 of 1

Student Preview

The **Student Preview** button allows you to see and interact with content from a student's perspective.

1. From **Plan** mode, select **Student Preview.**
2. Lesson content opens in full screen mode.
3. Students can view the Learning Targets, Success Criteria, and Standards with **Targets.**
4. Select **Exit** in the top right corner to close the **Student Preview** and go back to **Plan** mode.

1

DASHBOARD   PRESENT   ▶ STUDENT PREVIEW   AB ▼

2   **3**   **4**

TARGETS   ✖ EXIT

Math & YOU: Grade 7 > Chapter 1 : Adding and Subtracting Rational Numbers > Lesson 1.3 : Adding Rational Numbers > Example 3: Evaluating an Expression

Example 3: Evaluating an Expression

Evaluate $2x + y$ when $x = \frac{1}{4}$ and $y = -\frac{3}{2}$.

$$2x + y = 2\left(\frac{1}{4}\right) + \left(-\frac{3}{2}\right) \qquad \text{Substitute } \frac{1}{4} \text{ for } x \text{ and } -\frac{3}{2} \text{ for } y.$$

$$= \frac{1}{2} + \left(\frac{-3}{2}\right) \qquad \text{Multiply.}$$

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Student Locker

The **Student Locker** allows students to view and navigate their assignments as well as various components of their Learning Path.

1. Open the **Student Preview**.
2. Click the up arrow to open the **Student Locker**.
3. **Assignments** tab shows students all their current, upcoming, overdue, and completed assignments.
4. **Course Menu** tab shows students the current chapter and lesson and any corresponding **Learning Path** resources turned on by the teacher.
5. Click the down arrow to close the **Student Locker.**

Customize Lessons

ada has been designed to streamline the planning process, making it quick and effortless with all the necessary tools conveniently accessible.

1. Choose any chapter and/or lesson from the **Learning Path.**
2. All available content appears in the main view, including digital interactive content and printable PDFs for students as well as all teacher-only resources.
3. **Practice** and **Assessments** are also available at point of use in the Learning Path, but **Assessments** are only visible to teachers until assigned.
4. Toggle content on or off for students using **Student View.** This allows the resource to appear as students navigate through content during **Free Exploration** and in the **Student Locker.**
5. Toggle content on or off for facilitating lessons using **Present View**.
6. **Free Exploration** assignments are part of the **Lesson Progress Report.** (See page 18.)
7. Customize the sequence of content by dragging and dropping collapsed content into different orders or by clicking the three dots and selecting **Move Up** or **Move Down.**

Course Resources

Course Resources include resources for teachers that are not directly connected to the **Learning Path**. This includes the Teaching Edition, Pacing Guide, Formative Assessment Tips, Language Routines, and more.

1. From the **Learning Path** in **Plan** mode, select **Course Resources.**
2. Expand content using the arrows.
3. Select the content you want to use or view.

Resources

All chapter and lesson printable and digital **Resources** are embedded at point of use within the **Learning Path.** (See page 11.) Knowing the options teachers can use with their class right in the moment simplifies planning and reduces time.

Resources include:

- Alternate Assessments
- Answer Presentation Tool
- Author Insight Videos
- Big Idea of the Chapter
- Big Idea of the Chapter Videos (K–5)
- Career Explorations Videos
- Chapter Tests with Practice
- Concepts and Tools Videos (K–8)
- Connecting Big Ideas
- Correlations
- Diagnostic Adaptive Progression
- Differentiating the Lesson
- Dig In
- Digital Examples
- End of Course Test with Practice
- English Learner Support
- Everyday Connections Videos
- Family Letters
- Games
- Getting Ready for the Chapter (6–12)
- Graphic Organizers
- In-Class Practice
- India's Equity Videos
- India's Notes
- Instructional Resources (K–5)
- Interactive Investigations
- Laurie's Notes
- Lesson Dig Deeper
- Lesson Extra Practice
- Lesson Plans
- Math Tool Paper
- Mid-Chapter Tests with Practice
- Multi-Chapter Tests with Practice
- Multi-Language Glossary
- Newton and Descartes's Math Musicals (K–5)
- Nick's Notes
- Pacing Guides
- Pedagogical Approach Videos
- Performance Tasks
- Practice
- Self-Assessments
- Skill Builder
- Skill Foundations
- Skills Trainer
- Standards-Based Practice
- STEAM/STEM Videos (3–12)
- STEAM Video Performance Tasks (3–12)
- Student Edition
- Teaching Edition (K–8)
- Teaching Edition: Instructional Guide (9–12)
- Teaching Edition: Answer Guide (9–12)
- Vocabulary Flash Cards
- Warm-Ups
- Worked-Out Solutions Keys (3–12)

PRACTICE, ASSESSMENT, AND REPORTS

Lesson Progress Report

The **Progress Report** provides teachers with a powerful tool through formative data on students' progress within a lesson. As students complete lesson content, teachers can view data for the entire lesson or individual components of the lesson. Each table provides teachers with information to make data-driven instructional decisions.

1. From **Plan** mode, find the **Progress Report** for any lesson at the top of the lesson contents within the Learning Path.
2. The summary Progress Report shows the entire lesson. It defaults to **All**, but teachers can choose a specific lesson component as well. The data that populates will relate to the selected activity or activities.
3. The **Proficiency** chart shows the number of students at each proficiency level on the entire lesson or the selected lesson component.
4. Use the **All Students** table to see each student's proficiency level at a quick glance.
5. Monitor student progress of the entire lesson in the **All Sections**, where teachers will see the percent of questions answered correctly, how many items were answered out of the total for that activity, and how many students completed the activity.

Lesson Progress Report, cont.

Teachers can also drill down further in the **Progress Report** to see performance data on specific questions as well as how students answered each question.

1. From **All Sections** in the Progress Report, select a specific **Activity.** All reported data is now about the selected Activity.
2. To view how students answered specific questions, choose a question from the **Exercise Name** list.
3. Scroll through the answers to see each student's response.
4. Use the Exercise drop-down to switch to view students' responses to another question.
5. At any point, click **Refresh** to get the most up-to-date data as students are completing lesson content.

Understand Assignments

All **Practice** and **Assessments** from throughout the year are collected in the **Assignments** tab on the **Dashboard**.

1. From **Plan** mode, select **Dashboard.**
2. Select **Assignments.** This provides access to all assignments for the class in three categories.
3. **Now** assignments are current, active assignments. **Upcoming** are scheduled assignments that students cannot access yet. **Past** assignments are any assignments that are completed or are past the due date.
4. Select the **three dots** on any assignment to edit or grade the assignment, as well as provide feedback to students, view student self-assessment data, or remove (delete) the assignment.

Assign Content to Students or Groups

Any of the content from the **Learning Path** can be digitally assigned to students. Completion of these assignments generates reports for teachers to make data-driven decisions.

1. From **Plan** mode, select the **three dots** on a piece of content, and click **Assign.**
2. **Specify Details** for the assignment: name the assignment, provide a description of the assignment (optional), enter the start date and time (when the assignment becomes available to students), and the due date and time.
3. Select **Practice** or **Scored.** You can also **Enable Student Self-Assessment,** so students can still provide feedback to teachers on their level of understanding upon completion. You will also see the option to **Reset Answers** from any free exploration the students have done. Click **Next.**
4. **Select Assignees** for the assignment. Teachers can select **Individual Students** or **Groups.** From Individual Students, teachers can select the entire class, a few students, or an individual student to receive the assignment. From **Groups,** teachers can select the group(s) or students within the group to receive the assignment. Click **Assign.**
5. A small yellow star appears with the content as a reminder that an assignment was created.

Standards-Based Practice

On **ada,** Standards-Based Practice offers students the opportunity to practice questions commonly found on high-stakes tests, aligning with the full intent of the standards.

1. From the **Learning Path** in **Plan** mode, select **Standards-Based Practice.**
2. Use the arrows to expand or collapse content by standard.
3. Preview the content on the main screen by selecting any of the numbered questions or using the arrows. Note that **PDFs** of the Standards-Based Practice are also available to download or use in **Present** mode.
4. As with other content, toggle the content for Present View, Student View, or use the **three dots** to **Assign** to students. (See page 21.)

Assessments

On **ada,** assessments are provided at point of use in the **Learning Path,** making it easy to develop assessments and assign them all at the same time. All assessments also come with a practice version to help students prepare for the assessment.

1. From **Plan** mode, use the **Learning Path** to find the **Mid-Chapter** or **Chapter Assessments.** Note that Assessments can be previewed during **Plan** mode but are not visible to students until they are assigned. When assigned, Assessments are visible in Present mode for review upon completion.
2. Select the assessment name.
3. Scroll through the questions to preview the assessment and the correct answers.
4. Click **Done** when finished.
5. **Assign** the assessment by selecting the **three dots.** (See page 21.)

Customize Assessments: Properties and Content

Teachers can customize assessments to support differing student needs.

1. From **Plan** mode, use the **Learning Path** to find the **Mid-Chapter** or **Chapter Assessments.**
2. On the assessment name, select the **three dots,** and choose **Copy and Edit.**
3. Customize the **Assessment Properties, Assessment Content,** and **Score and Properties.**
4. Customization of **Assessment Properties** includes the Assessment Name, Description, Instructions, Subject, Strand, Grades, Keywords, and Suggested Duration.
5. Customization of **Assessment Content** includes changing the order by dragging and dropping from the **eight dots**, removing a question by the **x**, or adding your own item.

Customize Assessments: Add Item

One way teachers can customize assessments is to add their own items.

1. From the **Customize Assessment Content** screen referenced above, choose **Add Item.**
2. Choose the set of standards and the grade level. Then select **Load Standards.** Note you can also search by **Course, Chapter, and Lesson.**
3. Select the entire set of standards or choose one or more smaller selections within those standards. Then click **Search.**
4. Use **More Filters** to narrow the bank of items based on Grade, Subject, Difficulty Level, Language, Depth of Knowledge, and Question Type.
5. Use the **arrows** to expand the questions to preview them. Use the **check box** to select questions and then click **Add Items.**

Customize Assessments: Set Score and Properties

Once teachers have finished adding and removing exercises, they can customize how the assessment is presented and scored, including changing the point value for each exercise.

1. **Score and Properties** allows you to edit Properties, Global Scoring, and individual item scoring.
2. **Properties** include a split screen, randomize questions, and randomize answer choices.
3. **Global Scoring** includes points for each question and how to score the different item types. Be sure to click **Apply** when finished.
4. After **Global Scoring**, you will see the individual items that can be edited by type or points.
5. When finished, select **Save and Publish** to be able to assign the assessment. You can also **Discard** your edits or **Save as Draft** to continue editing later.

Grade and Comment

Teachers can provide feedback to students using the **Comments** on an assignment. Comments can be sent to students on the overall assignment or on individual questions, providing students with the targeted, point-of-use feedback needed.

1. From **Plan** mode, select the **down arrow** in the navigation bar.
2. Choose **Grade and Comment**.
3. Select **By Content,** then choose the **class** and **course.** The **Assignment** radio button is pre-selected. Then select the **Assignment** to open for comments.
4. Click **Show Results** to display the question details.
5. Click on the **Actions** icon for any question.
6. Select **Add General Comment** to add a comment to the entire assignment or scroll to the comment box beneath each question to add question-specific comments. Be sure to click **Save** once the comment is entered!

Practice and Assessment Reports

When students complete assignments, data is populated in the **Item Analysis Report.** Reports include a summary of the assignment, a report by question, and a report by student.

1. Select the profile icon in the top right.
2. Select **Item Analysis Report.**
3. Choose your **Course, Class,** and **Assignment** from the drop-down menus, and click **Go.**
4. A summary of the details is provided at the top, including how many students have attempted the assignment from the class, the total number of questions in the assignment, and how many of those questions are system-graded versus those that need to be manually graded by the teacher.

Practice and Assessment Reports, cont.

Two reports are available, By Question and By Student. These detailed reports for individual assignments allow teachers to make data-driven decisions to accelerate learning.

1. The report lands on the **By Question** report tab.
2. View details for each question: question type, average time spent, average score, and the percentage of students who answered correctly, incorrectly, partially correct, or skipped it.
3. The **By Student** report tab shows specific students in the class and their responses to the assignment.
4. Click on the **eye** icon to view a student's specific responses.

SUPPORT OPTIONS

Support

Visit the **Information Center** in the bottom-right corner for announcements, details on new features, a complete walkthrough of **ada**, a variety of tutorials, and even submit a support ticket!

For additional information on available resources and training documentation, please visit **support.myadamath.com**, our official digital experience support website.
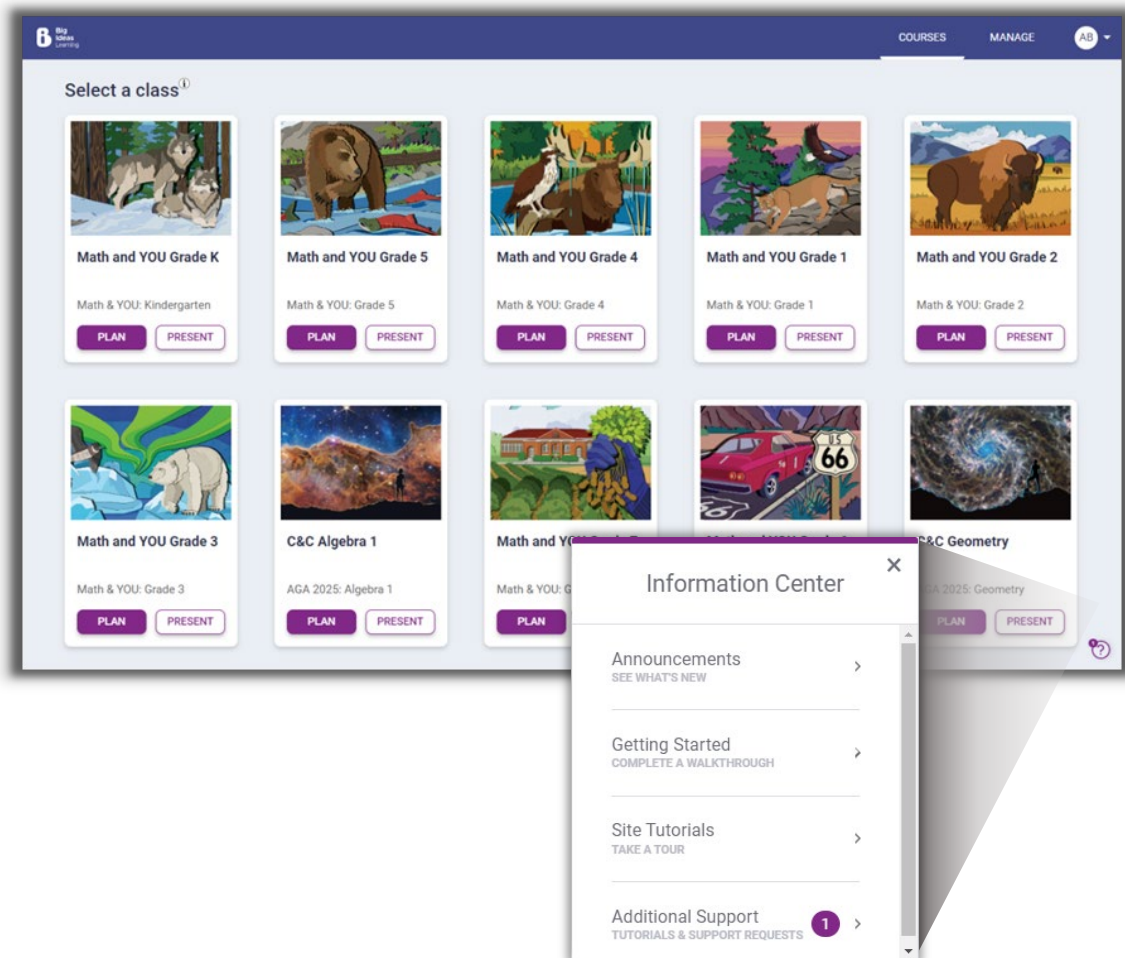
Have questions? We are here to help! Find your rep at NGL.Cengage.com/RepFinder