Get to Know
InsightMath

Digital Planning Guide and Lesson Platform

Welcome to InsightMath!

As you begin teaching with InsightMath, you'll want to be aware of three main resources to support you on your journey:

Digital Planning Guide: Your go-to resource for planning and launching lessons. You will learn all about the Planning Guide as you continue reading.

Teaching Guide: A printed guide for every unit to have at your fingertips while moving around your classroom and working with students. If you want to learn more about the Teacher Materials, including the printed Teaching Guide, you can find that at stmath.link/teacher-materials, or by scanning the QR code. →

InsightMath Help: Search this site for articles, resources, and tips to help you get the most out of InsightMath. Access it from the Support tab of your educator console, at help.insightmath.com, or by scanning the QR code. →

Experience InsightMath

Use the links on the right to provide guidance in accessing, understanding, and navigating the InsightMath curriculum platform.
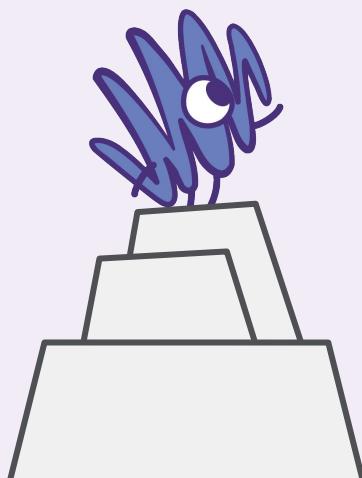
Get Started

Structure and Navigation

Unit

Cluster

Lesson

Accessibility

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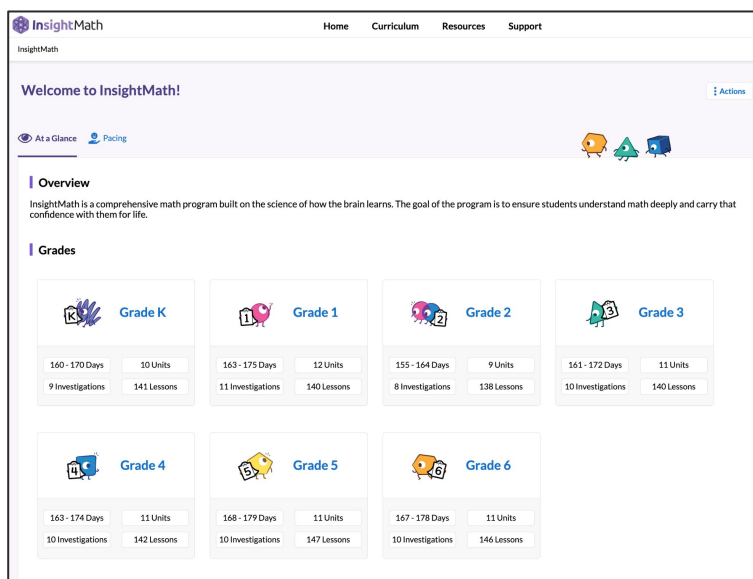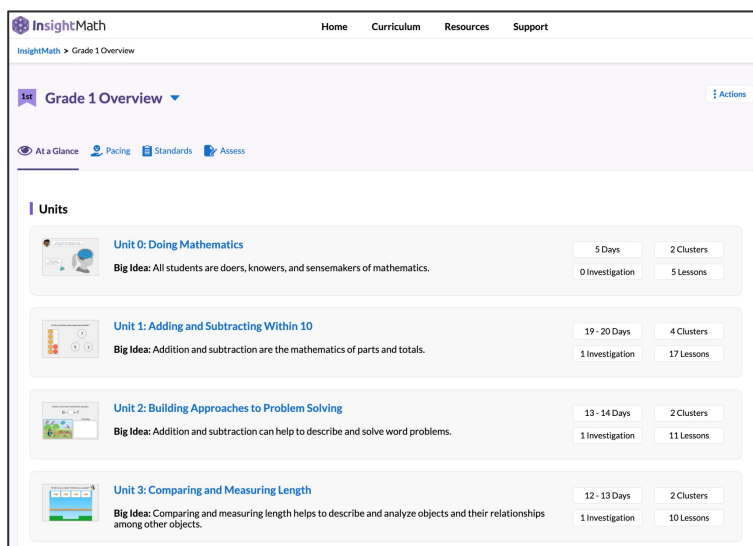
Get Started

STEP 1 - Select a grade

Select a tile to open a grade of your choice.

STEP 2 - Open a unit

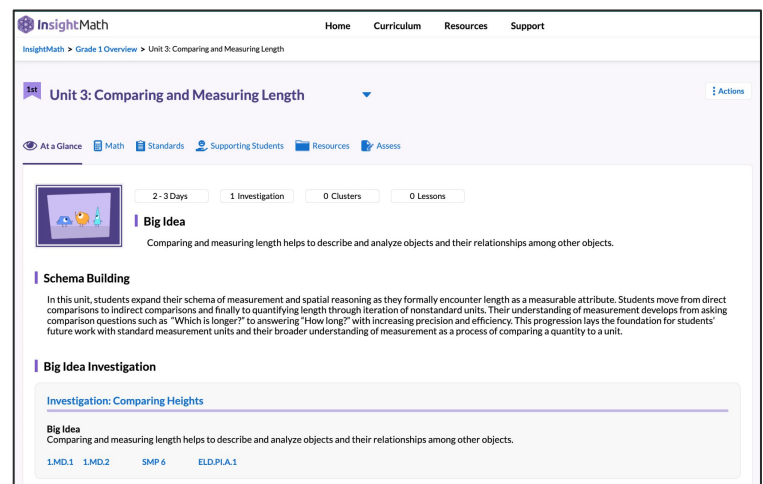Click on a unit heading to begin your exploration.

Unit Structure and Navigation

Each unit begins with a big idea, followed by an investigation and essential understandings grouped into clusters that build to the big idea.

Each unit details mathematical coherence and progressions, standards alignment, strategies for supporting students, lesson resources, and assessment opportunities.
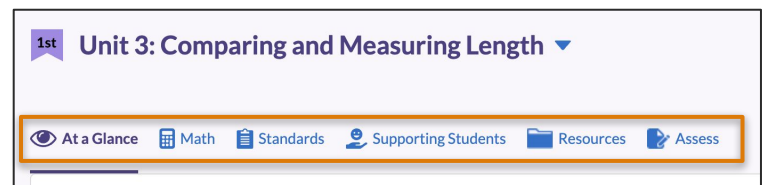
STEP 1 - Preview a unit

From the At a Glance tab, scroll down to view the unit's big idea, investigation, clusters, and lessons.
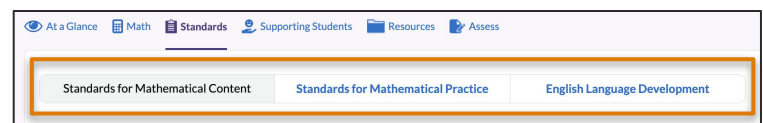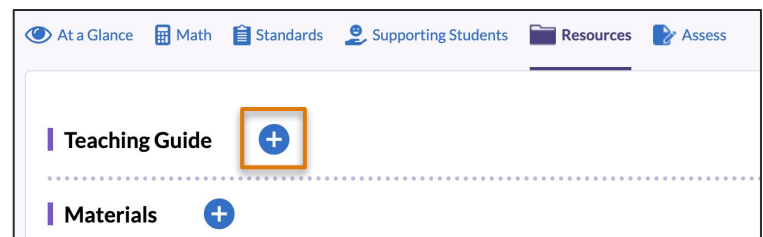

STEP 2 - View unit details

Click the tabs across the top to navigate to the math, standards, support strategies, resources, and assessments for the unit.

Some tabs contain subtabs to support navigation of standard or assessment types.

On the Resources tab, click the plus sign to see all resources of a given type.
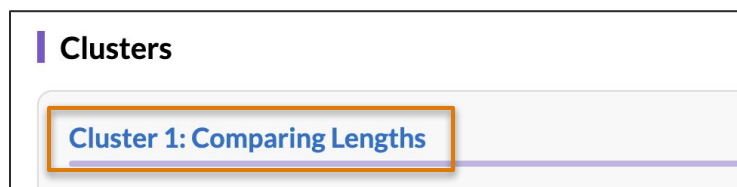
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Cluster Structure and Navigation

Unit clusters contain lessons that form a learning arc, which supports an essential understanding. Unique to the cluster level, educators are equipped to support students in building their schemas and working through disequilibrium moments, identify and respond to mathematical errors or misconceptions, and formatively assess throughout the lesson progression.
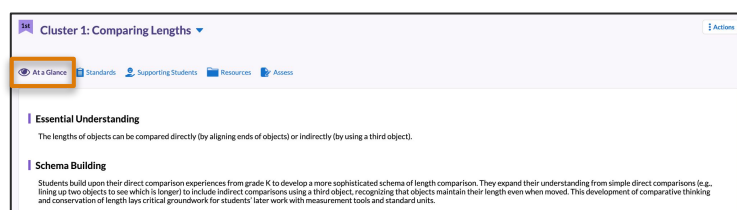
STEP 1 - Open a cluster

Click on a Cluster heading to begin your exploration.
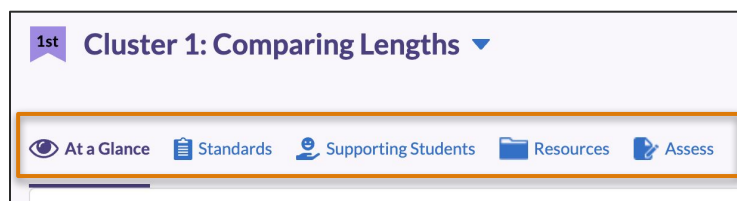
Clusters

Cluster 1: Comparing Lengths

STEP 2 - Preview a cluster

From the At a Glance tab, scroll down to view the cluster's essential understandings, outcomes, vocabulary, and lessons.

Cluster 1: Comparing Lengths ▾   ⋮ Actions

⊙ At a Glance   ▤ Standards   ⚇ Supporting Students   📁 Resources   📝 Assess

Essential Understanding
The lengths of objects can be compared directly (by aligning ends of objects) or indirectly (by using a third object).

Schema Building
Students build upon their direct comparison experiences from grade K to develop a more sophisticated schema of length comparison. They expand their understanding from simple direct comparisons (e.g., lining up two objects to see which is longer) to include indirect comparisons using a third object, recognizing that objects maintain their length even when moved. This development of comparative thinking and conservation of length lays critical groundwork for students' later work with measurement tools and standard units.
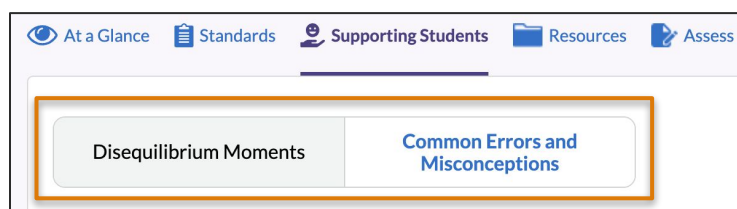
STEP 3 - View cluster details

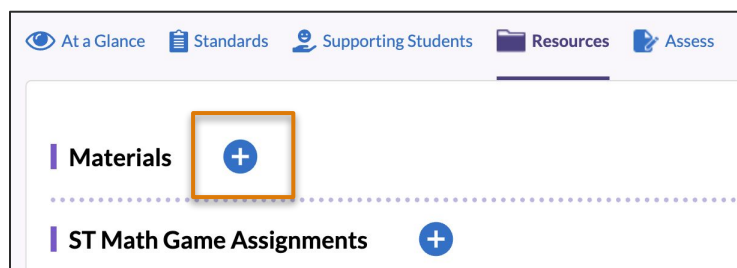Click the tabs across the top to navigate to the standards, support strategies, resources, and formative assessment opportunities.

1st   **Cluster 1: Comparing Lengths** ▾

⊙ At a Glance   ▤ Standards   ⚇ Supporting Students   📁 Resources   📝 Assess

The Standards and Supporting Students tabs contain subtabs. Click these to view standards by type, note disequilibrium moments, or identify common errors and misconceptions within the cluster.

⊙ At a Glance   ▤ Standards   ⚇ **Supporting Students**   📁 Resources   📝 Assess

Disequilibrium Moments	Common Errors and Misconceptions

On the Resources tab, click the plus sign to see all resources of a given type.

⊙ At a Glance   ▤ Standards   ⚇ Supporting Students   📁 **Resources**   📝 Assess

Materials   ⊕

ST Math Game Assignments   ⊕

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Lesson Structure and Navigation

Lessons promote student engagement and mathematical understanding through a blend of digital and hands-on activities. Utilizing visual models, structured problem-solving, and rich mathematical discussions, students develop strategic thinking and build confidence as mathematical learners.

Each lesson follows a consistent structure made up of four parts: Launch, Explore, Reflect and Connect, and Workshop Time.

STEP 1 - Open a lesson

Click on a Lesson heading to begin your exploration.

Lesson 1: Comparing and Ordering Lengths

STEP 2 - Preview a lesson

On the lesson page, scroll down to preview the lesson. Notice device needs, timing for each part, objectives, key questions, and vocabulary.

STEP 3 - View lesson details

Click the blue plus signs on the right side to expand sections and view preparation suggestions, standards, differentiation strategies, and a preview of the lesson slides.

When a lesson part is expanded, use the Details, Look Fors, and Discourse Questions tabs to preview specific lesson guidance.

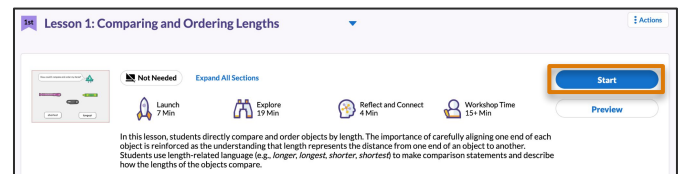* Continued on the next page.

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Lesson Structure and Navigation *cont.*

This section explores the features of the interactive digital lesson platform. In some lessons, students will log in on their own devices to interact with the lesson, which allows teachers to see students' problem-solving in action from one hub. With embedded lesson notes and facilitation tools, teachers can provide students opportunities to showcase their thinking, compare their strategies, and engage in rich mathematical discourse.
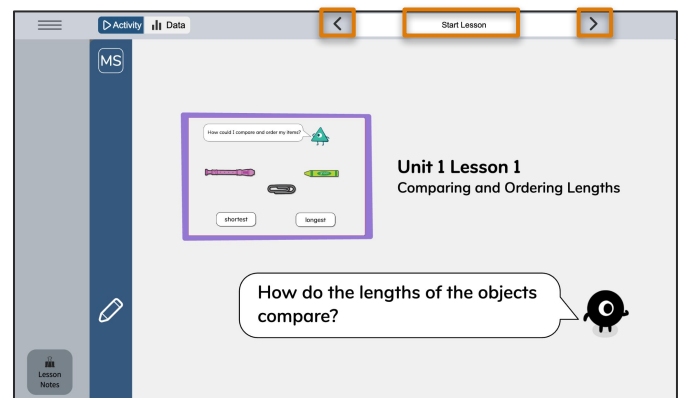
STEP 4 - Launch a lesson

At the top of the lesson page on the right, you'll find the "Start" button. Click this to launch the lesson platform.
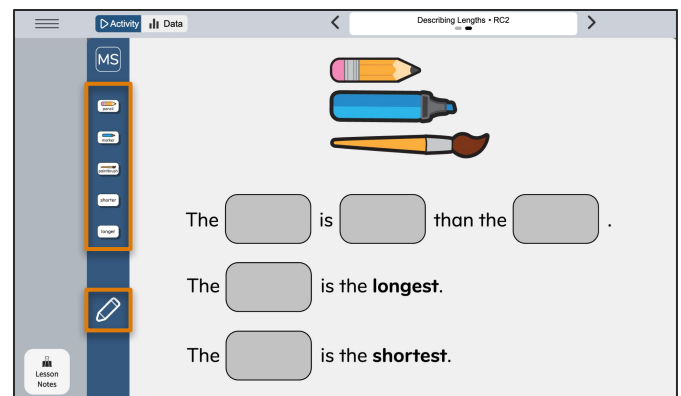
STEP 5 - Navigate slides and tools

The lesson opens to a title slide. At the top of the lesson slide, use the navigation bar to move within a lesson. Use the left and right arrows or click the middle title to open the navigation panel and select a specific slide.

As you do so, notice the available drawing and expression tools on the left. These are the same tools that students use to share their thinking. Some of the lesson activities will use "magnets," or digital manipulatives. If needed, these also appear on the sidebar.
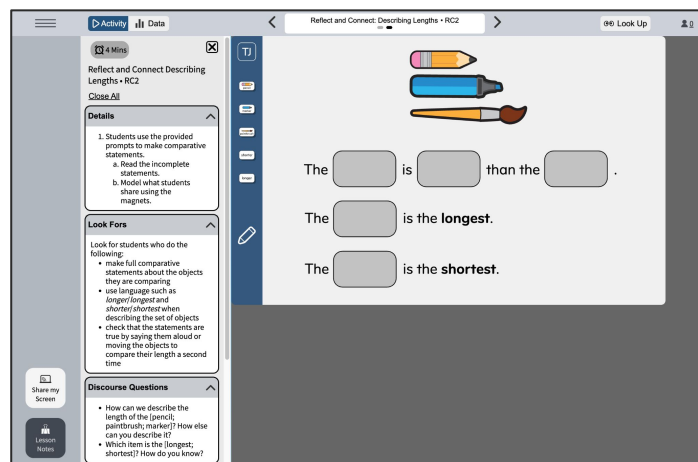
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Lesson Structure and Navigation *cont.*

STEP 6 - View lesson notes

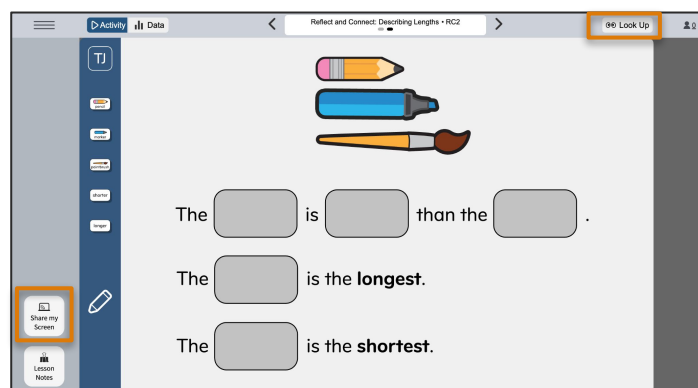On the bottom left, click Lesson Notes to view details, look fors, and discourse questions that adjust to each slide.

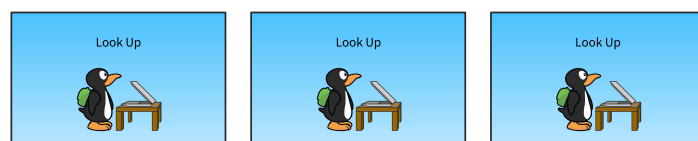## STEP 7 - View lesson interaction tools and student data

Note: The following features require active student participation and may not be visible or active in the lesson platform preview.

Share my Screen on the bottom left allows students to see the teacher's viewpoint on their own devices.

Look Up on the top right allows teachers to pause student engagement on their own devices and redirect their attention. When activated, students will see the blue Loop Up screen.

Teacher screen

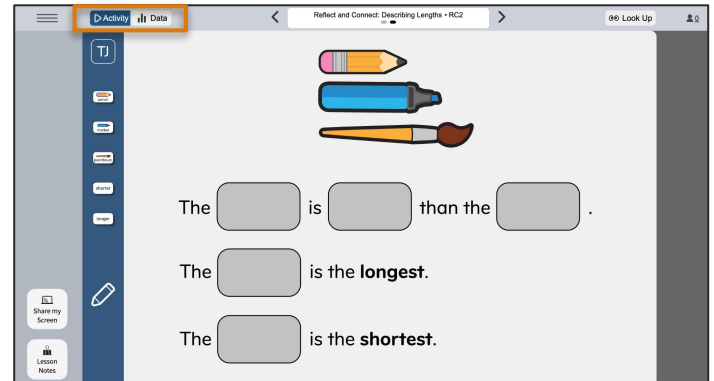**Student screens with Look Up activated**

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Lesson Structure and Navigation *cont.*

STEP 7 - View lesson interaction tools and student data *cont.*
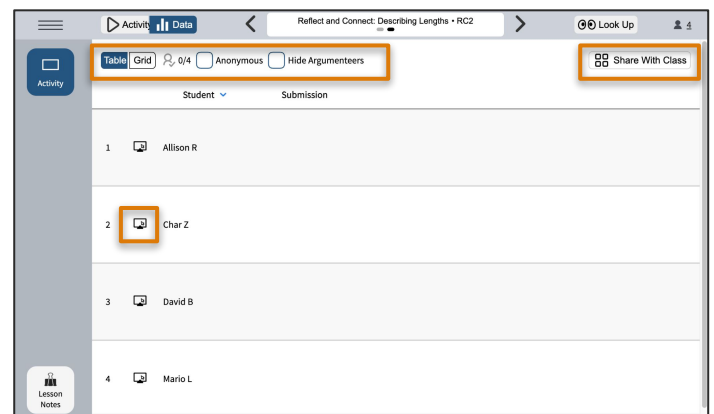
The **Activity/Data** toggle on the top left allows teachers to move between the lessons slide and the corresponding data.

In the **Data view**, teachers see students' activity, problem-solving strategies, and pacing in in real time. Here teachers can view student work in a table or grid, collect all student responses, or view work anonymously (without student names).
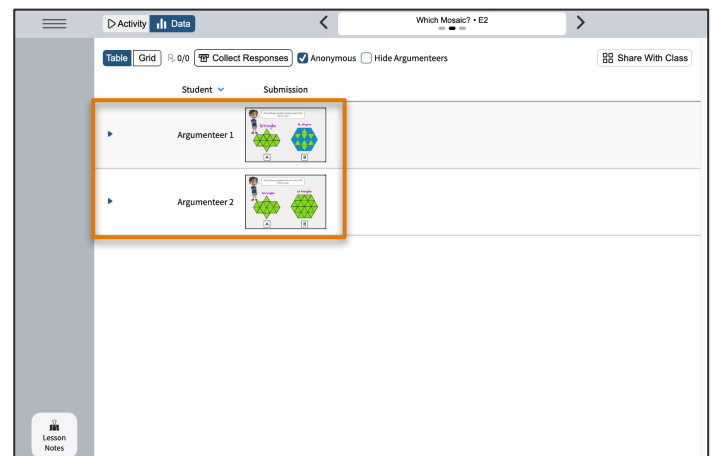
The **Share with Class** feature allows teachers to select specific student responses to use for discussion.

The **Share Student Screen** feature allows teachers to share the real-time activity on a student's screen with the class.

At times, **Argumenteers**, or sample student responses used to spark discussion, are visible and can be shared with the class to highlight specific strategies or misconceptions.

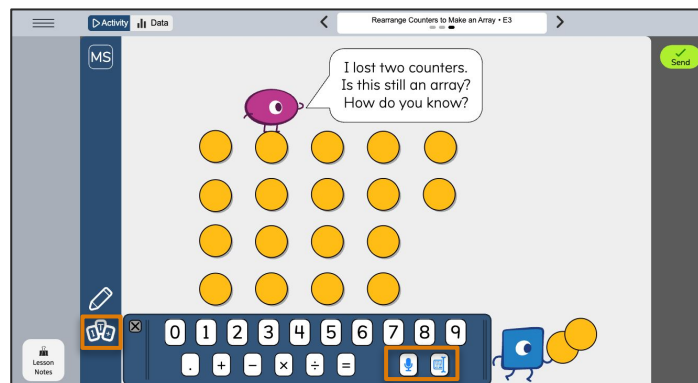The available data features and layout change to accommodate the type of lesson activity.

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Lesson Platform Accessibility Features

Navigation and Thinking Tools

The **Expression Drawer** provides multiple ways for students to show their thinking. Students can add mathematical expressions and other text to slides by dragging and dropping, typing, or speaking.

Keyboard navigation allows students to access and operate most of the platform's features using only a computer keyboard.

Screen Reading Tools

Students can access additional accessibility tools by clicking on their initials, then Accessibility.

Self-voicing reads on-screen text and other interface elements, allowing students to navigate and interact with the lesson content.

Read-aloud for sentences supports student's understanding of tasks and directions that are presented in written text by reading that text aloud when it is clicked on.

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