Accessibility in *i-Ready Personalized Instruction*

Feature Overview: Closed Captioning

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Dedicated to Creating Accessible Experiences

We are dedicated to creating products that are fair and accessible to the widest population of students. As part of this effort, our roadmap includes ongoing improvements to online lesson accessibility.

How Does Closed Captioning in *i-Ready Personalized Instruction* Help Students?

Closed captions in *i-Ready Personalized Instruction* are available in 100 percent of My Path lessons for Reading and the vast majority of My Path lessons for Mathematics for Grades K–8.* It is also available for 100 percent of *i-Ready Pro* lessons. Lessons in English contain English captions, and lessons in Spanish contain Spanish captions. Many *i-Ready* lessons apply critical pedagogy, such as activity directions or instructional feedback, through audio. With our closed-captioning feature, all audio is now also provided in a text format. Closed captions will especially benefit:

- Students who are deaf or hard of hearing
- Students who have cognitive disabilities
- Students who are learning English
- Students who do not have access to headphones
- Parents and educators who are deaf or hard of hearing and need to guide their students through *i-Ready* lessons

This universal accessibility feature is designed to be available to all students, regardless of documented need, and provides access to key instructional information through a text format. It also supports the Universal Design for Learning (UDL) Principle I: Design Multiple Means of Representation. This feature creates a more flexible, inclusive, and accessible user experience for students learning with *i-Ready* digital lessons.

Web Content Accessibility Guidelines (WCAG) 2.2 and UDL References

- WCAG 2.2 Guidelines
- UDL Guidelines

*While most lessons have closed captions and text on screen, a small percentage of extra lessons (i.e., lessons that can be assigned by teachers but never show in the automated My Path queues) will still have closed-captioning exceptions. Teachers can preview lessons before assigning them. To learn more, please refer to the Categories and Examples of Lessons Not Supported by Closed Captioning section of this document.

Configuration and Support

Enabling and Disabling Closed Captioning in the Majority of Grades K–8 My Path Lessons

1 Press the Settings button on the bottom navigation bar.

2 Toggle the caption setting to ON/OFF.

3 Press OK.
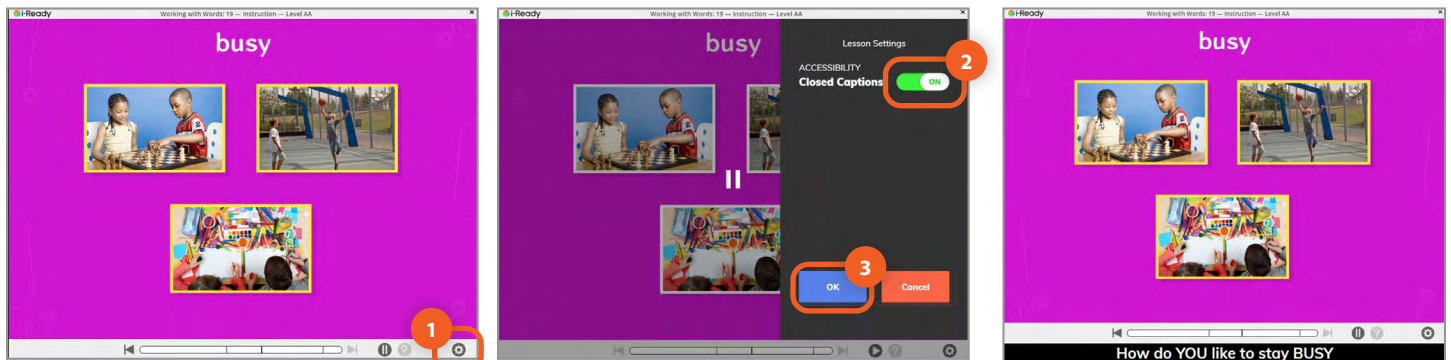
Enabling and Disabling Closed Captioning in *i-Ready Pro* Lessons

1 Press the Settings button on the top navigation bar.

2 Toggle the caption setting to ON/OFF.

3 Press SAVE.
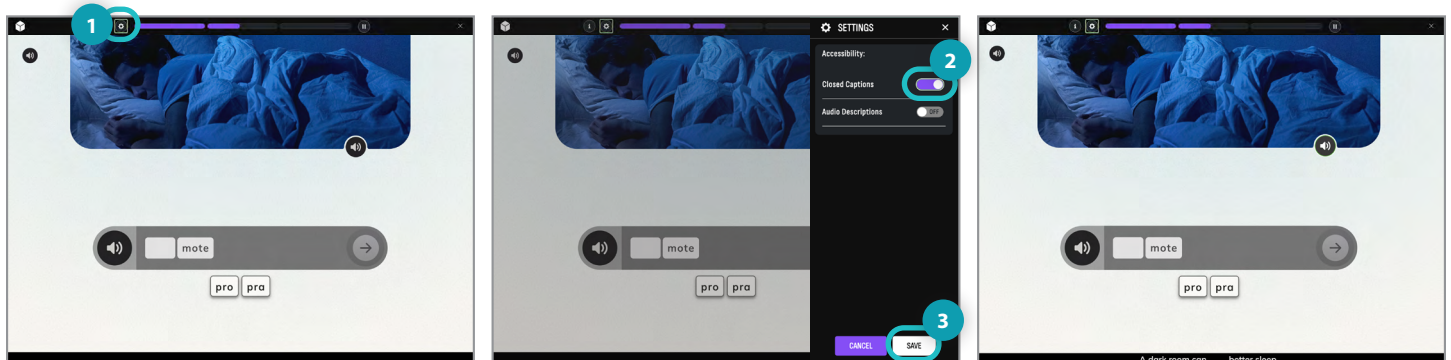
Special Considerations

- Closed-caption settings will default to OFF.

- If captions are enabled, the setting will persist throughout the login session.

- Closed-caption settings will reset to the OFF default upon each login session.

- Closed captions can only be enabled from a student's account.

- Personalized Instruction lessons in English contain English captions, and lessons in Spanish contain Spanish captions. For any Spanish supports used in English lessons (e.g., the glossary translations in Grades 3–5 Vocabulary lessons), captions will appear in Spanish.

Additional Features

1 **Navigation bar** with accessible color contrast that meets WCAG 2.0 Level AA minimum contrast requirements

2 **Settings panel** located in the navigation bar—a change for lessons that contain a passage on the left side of the lesson. The reading settings, available in Reading Comprehension and Vocabulary lessons, now live in the global settings panel.

Reading settings are tailored to a student's chronological grade level. More details on reading settings and audio support can be found in the document Accessibility in *i-Ready Personalized Instruction* Feature Overview: Audio Support.
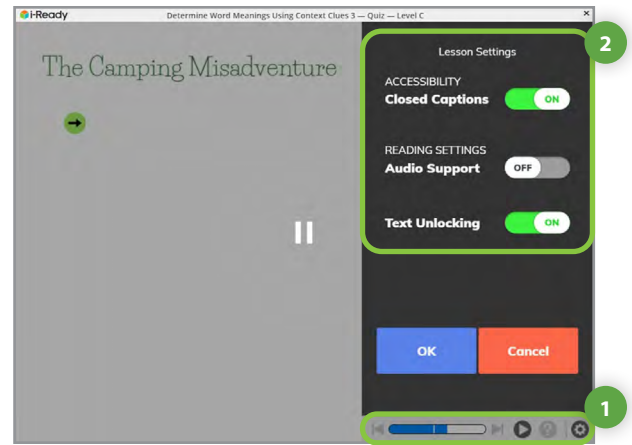
Categories and Examples of Lessons Not Supported by Closed Captioning

Phonics, High-Frequency Words, and Phonological Awareness Activities

In *i-Ready* foundational Reading domains, closed captions are suppressed on a case-by-case basis in activities where providing captions would give away the answer and compromise the pedagogical goal of the activity. For example, in Phonics lessons, the goal of an activity may be for a student to identify which written representation of a letter makes a specific sound or completes a word. If the caption displays the letter or word, this may present the answer to the student.

Example in a Phonics lesson: The goal of the shown activity is for the student to move the correct letters to the string to spell a word. The narrator says, "Finish building the word 'fit.'" In this case, the closed captions are suppressed, because showing "fit" would potentially give the answer away to the student.

Once the student correctly selects the "i" and "t" to spell "fit," the closed captions for feedback are not suppressed, because showing "fit" no longer risks giving the answer away.
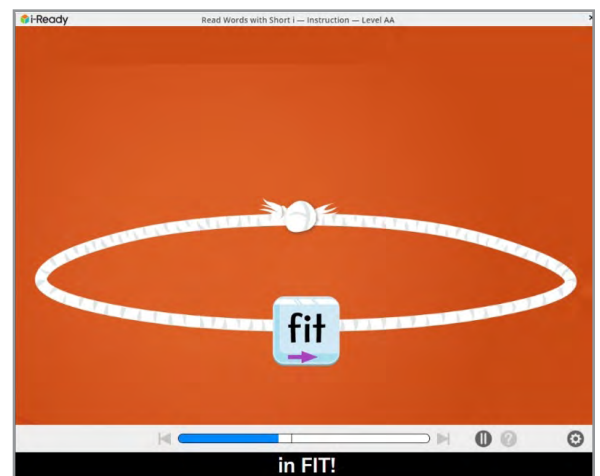
Close Reading Lessons

Close Reading lessons do not require closed captioning because they already provide text on the screen to accompany lesson audio.
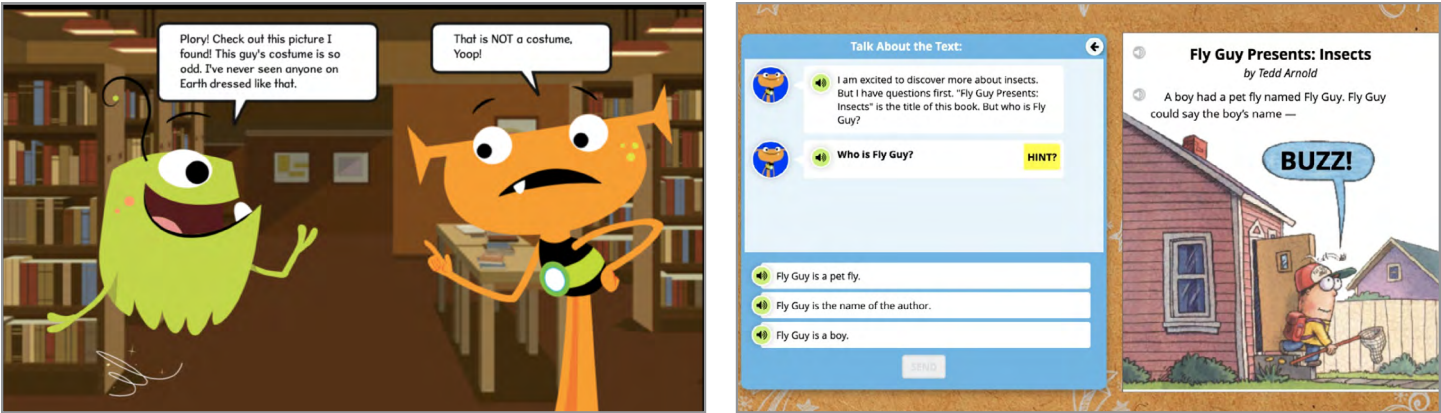
Original Lessons in Which Instruction Is Delivered Mainly through Characters

A small percentage of extra lessons (i.e., lessons that can be assigned by teachers but never show in the automated My Path queues) will still have closed-captioning exceptions. Teachers can preview these lessons before assigning them. Please refer to the table below for a full list of exceptions.

Mathematics Lessons *Not Supported by Closed Captioning*

Domain	Grade	Lesson Title
Algebra and Algebraic Thinking	Grade 2	Solve Two-Step Problems
		Add Using Arrays
	Grade 3	Solve Two-Step Word Problems Using the Four Operations
		Understand Patterns
	Grade 4	Number and Shape Patterns
		Solve Multi-Step Problems
	Grade 8	Using a Graph to Analyze a Functional Relationship

Mathematics Lessons (Cont'd.) *Not Supported by Closed Captioning*

Domain	Grade	Lesson Title
Geometry	Grade 2	Recognize and Draw Shapes
	Grade 3	Divide Shapes into Parts with Equal Areas
	Grade 5	Classify Two-Dimensional Figures
		Analyze Patterns and Relationships
	Grade 6	Polygons in the Coordinate Plane
		Concepts of Area and Perimeter
		Nets and Surface Area
		Volume with Fractional Length
	Grade 7	Construction of Triangles
		Area and Circumference of a Circle
		Area of Composed Figures
		Surface Area of Composed Figures
		Volume of Composed Figures
		Cross-Sections of Prism and Pyramids
	Grade 8	The Pythagorean Theorem
		Applications of the Pythagorean Theorem
		Volume of Cylinders, Cones, and Spheres

Mathematics Lessons (Cont'd.) *Not Supported by Closed Captioning*

Domain	Grade	Lesson Title
Measurement and Data	Grade 2	Understand Measurement with Different Units
		Compare Lengths
		Solve Problems Involving Length
		Make Line Plots
	Grade 3	Solve Problems about Time
		Solve Problems about Liquid Volume
		Solve Problems about Mass
		Measure Length and Plot Data on Line Plots
		Understand Area
		Add and Multiply to Find Area
		Connect Area and Perimeter
	Grade 4	Express Measurements in Larger Units
		Solve Word Problems Involving Measurement
		Add and Subtract Angle Measures
	Grade 5	Solve Word Problems Involving Conversions
		Fractions on a Line Plot
		Measure Volume Using Formulas
	Grade 6	Understand Mean and MAD
		Choice of Measures of Center and Variability
		Histograms
		Choosing Data Displays
	Grade 7	Using Mean and Mean Absolute Deviation to Compare Data
		Using Measures of Center and Variability to Compare Data
		Probability Concepts
		Experimental Probability
		Probability Models
		Probability of Compound Events
		Simulations of Compound Events
	Grade 8	Problem Solving with Linear Models
		Associations between Two Categorical Variables

Mathematics Lessons (Cont'd.) *Not Supported by Closed Captioning*

Domain	Grade	Lesson Title	i-Ready
Number and Operations	Grade 2	Add or Subtract 10 or 100	
		Add up to Four Two-Digit Numbers	
	Grade 3	Use Place Value to Round Numbers	
		Add and Subtract within 1,000	
	Grade 4	Add and Subtract Fractions	
	Grade 5	Add and Subtract Fractions in Word Problems	
		Understand Multiplication as Scaling	
	Grade 6	Fluently Add and Subtract Decimals	
		Multiplication of Decimals	
	Grade 8	Rational and Irrational Numbers	
		Approximating Irrational Numbers	
		Scientific Notation	
		Operations with Numbers Expressed in Scientific Notation	

Appendix: Visual Examples of Domain Coverage

Mathematics

Grades K–2

Grades 3–8

Reading Comprehension
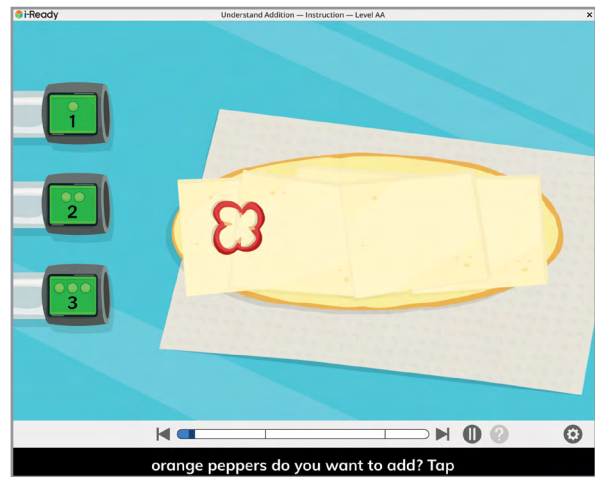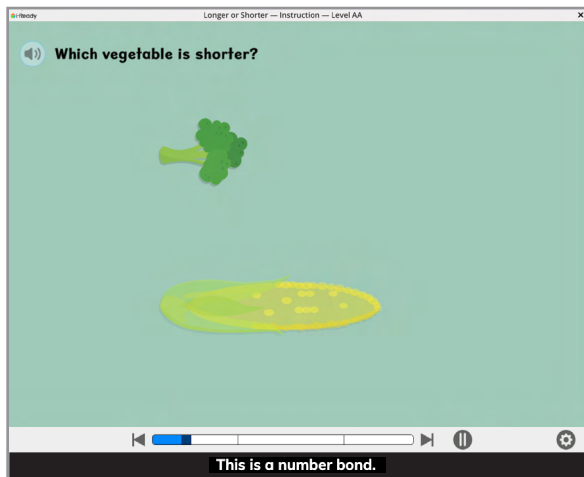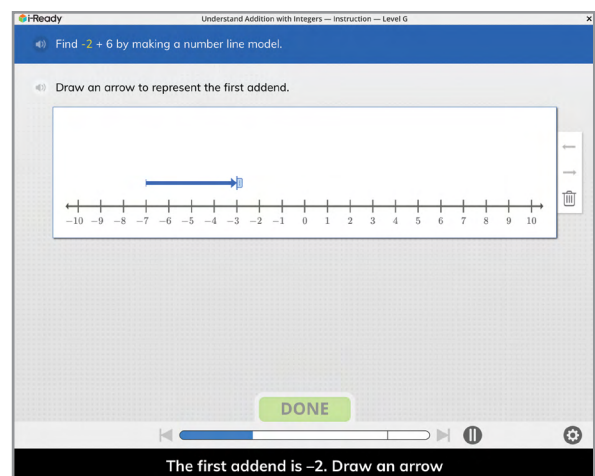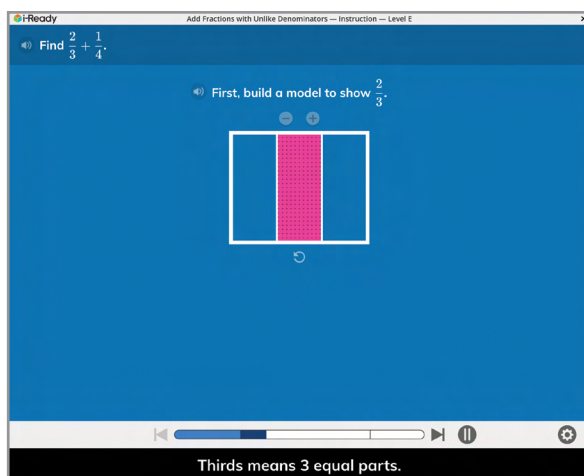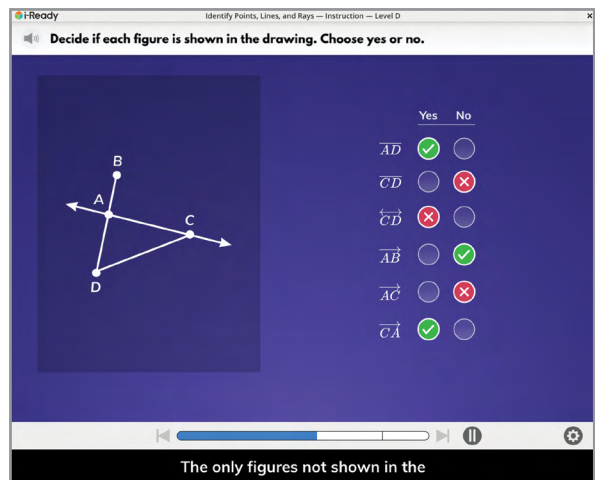
Grades K–2

Connect Words and Pictures in a Story — Quiz — Level A

"These rocks are boring!" said Max. "You want to find cool stuff? Let's go to the nature trail at the park. Last year I found a hat there. And a whole bunch of coins!"

Sarah held up a handful of wet rocks. "Just a few more minutes, Max," she said.

Look at this part of the story. What do the words and picture tell about Sarah?

- Sarah goes to the nature trail.
- Sarah thinks rocks are boring.
- Sarah keeps looking for rocks.

Look at this part of the story. What do

Connect Words and Pictures in a Story — Instruction — Level A

What happens at the end of the story? Add the event to the chart.

First	Next	Last
Max, Sarah, and Uncle Mateo explore a cave.	Max's flashlight goes out.	?

- Sarah finds a way out of the cave.
- Max discovers an underground lake.
- Uncle Mateo takes out his flashlight.

What happens at the end of the

Grades 3–8

Summarizing Informational Text — Instruction — Level D

Volunteers for e-NABLE include all kinds of people of all ages.

As e-NABLE grows, Faith Lennox is growing too. Just three months after she got her hand, it was pinching a little too tightly where it attaches to her arm. So her family asked for a slightly bigger part. "That's the really awesome thing about this," says Faith's mom. A brand new limb is ready just as quickly as you can print it out.

There are many different hand designs to fit different needs.

Fill in the blanks to summarize the passage.

Kids can get artificial hands from ▼ group that uses 3-D printers to create them, thanks to Richard Van As and Ivan Owen. First the two men ▼ fingers that moved. This led them to make artificial hands for kids.

to summarize the passage.

Analyzing Development of Central Ideas — Instruction — Level H

Complete the chart with a detail explaining the types of water that manufacturers use.

Detail	Detail	Detail
"Green water" is water that falls as rain.	?	"Gray water" is polluted water that has been used to produce things.

Important Idea

A lot of water goes into producing the foods and products we use.

- "Blue water" is drawn from the melting polar ice caps.
- "Blue water" is drawn from the world's cleanest oceans.
- "Blue water" is drawn from sources above and below ground.

Complete the chart with a

Identifying Replaced Words and Ideas in Informational Texts — Instruction — Level F

Replaced Words and Ideas — Español >

Sometimes an author will replace a word or phrase in the passage with a different word or phrase. The author does this to improve the flow of the text or to add variety. However, the substitution can cause confusion for readers. When you see a word or phrase that has replaced another, reread the text that comes before the replacement to make sure you know what the author is referring to.

replaced words

Since past researchers have suggested that laughter could be contagious, with people more than 30 times more likely to laugh when around others, Scott wanted to investigate whether that theory was true, and if people's perceptions about what is funny could be influenced.

replacement

Sometimes an author will replace a word

Vocabulary

Grades K–2

Grades 3–5

Foundational Skills

Phonics

High-Frequency Words
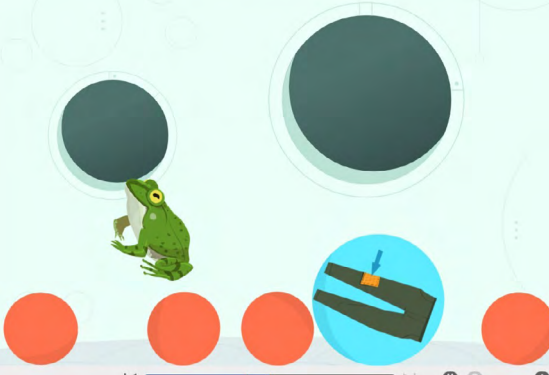
Phonemic Awareness

i-Ready Pro's Essential Lessons