

Technology to Support Science Accessibility

Tool	Icon	Subjects Supported	Type	Suggested Grade Levels	How Does the Tool Support Accessibility?	Accessibility Features Turned on in the Tool	Accessibility Features Turned on on the Device (iPad)
Assistive Touch		Science Reading Math Social Studies	App	K-8	Ease of use app lets you adapt multi-touch features to suit your needs for one touch. User customizable to add accessibility features for one button controls. • Access Screen • Adjust volume • Lock your screen • Use multi-finger gestures • Restart your device • Camera or Screen Shot • Timers and Reminders		To Turn On AssistiveTouch: • Select the Settings Menu • Scroll down and select the Accessibility menu. • Select AssistiveTouch • Turn on AssistiveTouch • You can also drag the icon to a location on the screen to act as a pointer To access the AssistiveTouch menu: • Double tap the icon displayed on the iPad and the main menu will display. • Tap on the sub-menu or command you wish to use. • You can drag the icon to any location on the iPad screen you choose. • Once in the menu for AssistiveTouch the default is one tap to activate any of the commands. • Tap anywhere on the iPad screen and the AssistiveTouch menu will return to idle opacity.

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							To customize <u>AssistiveTouch</u> options: • <i>Customize Top Level Menu:</i> ○ Select the Settings menu ○ Scroll down and tap the Accessibility menu. ○ Select <u>AssistiveTouch</u> ○ Select “Customize Top Level Menu” ○ Tap  or  to change the number of icons in the menu. The menu can have up to eight icons. ○ Tap an icon to change its action. • <i>Customize Control Center</i> ○ Select the Settings menu ○ Scroll down and tap Control Center ○ Choose to access the Control Center while using other apps. ○ Included controls can be removed by selecting the minus button. ○ Adding other controls can be added by selecting the plus button.
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Apple Magnifier 		Science Reading	App	K-8	- Behaves as a magnifying glass. - Magnifies subject matter for closer inspection. - Can save a magnified object as an image to Photos - Provides color filters to enhance the view. - Use the iPad flashlight to brighten objects. - Adjust brightness and contrasts.	To add to the Control Center - Go to “Settings” - Go to “Accessibility” - Go to “Magnifier” - Turn “On” - Go to “Control Center” - Go to “More Controls” - Then tap “+” to add it to the Control screen. To use the Magnifier - Swipe down from the upper right corner or open the Assistive Touch. - Select the Magnifier Icon - Slide the bar to the left “-” or to the right “+” to adjust the magnification. - The highest magnification is 20x. Other Magnifier Options: - Brightness, Contrast and Filters are the three buttons below the magnification “+” and “-”. Brightness is located on the left/center. - Press the icon - Use the slider to adjust and change the image brighter or darker. Contrast is located in the center/center.
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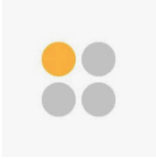
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							○ Press the icon ○ Use the slider to adjust and change the contrast of the image. ● Filter is located on the right/center. ○ Press the icon ○ Slide through the variety of filters. ○ Select the filter that enhances the image best suited for the user. ● Saving an image: ○ Press the “+” symbol located in the circle in the bottom of the panel. ○ Tap the Share icon in the upper right corner and choose Save Image. ○ Image is saved to Photos.
Explain Everything  (click for video) Lower Case Tracing Template Lower Case Tracing Template		Science Social Studies Reading Writing Math	App	K-8	A whiteboard app: ● Import and modify a variety of files/videos ● Immediate feedback ● Useful for remote learning ● Sharing capabilities ● Option to save as video file ● Writing/drawing on templates ● Ability to highlight text and/or annotate work		

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					• Ongoing electronic journal • Import videos and clips into presentation • Create templates, storyboards, or other graphic organizers		
BrainPOP		Science Social Studies	App/ Website	6-8	BrainPOP offers content specific animated videos, respond to quiz questions, and complete related activities. Log-in with the school username / password to view all content (Ask your instructional coach for it). • Closed Captioning • Change Speed from Normal to Slow • Movie Transcript	• Need to use Safari to have access to change speed and for Video Transcript.	
BrainPOP Jr.		Science Social Studies Reading Writing Math	App/ Website	K-3	BrainPOP Jr offers content specific animated videos that include quizzes and activities. Log-in with the school username and password to view all content (Ask coaches about it). • Closed Captioning • Change Speed from Normal to Slow • Options for a Hard and/or Easy Quizzes	• Need to use Safari to have access to change speed and for Video Transcript.	]

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Rewordify.com		Science Social Studies Reading	Website	4-8	A tool that helps simplify difficult English. Enter difficult words, sentences, whole chapters, website URL and Rewordify will give you an easier to understand version for faster learning	It is a Website	
StudySync		Science Social Studies Reading Writing	App	6-8	ELA app/website to support core literacy learning, can assist English language learners and students with reading deficits when reading Science-related stories	StudySync Accessibility Features	
NewsELA		All	Website	2-8	Website: https://newsela.com Texts in multiple reading levels for various ages and worksheets to coincide with the lesson. Great for informational text and videos. Resources can be shared with students on Google Classroom, Seesaw, or Clever. Embedded Features: - Annotating capabilities - Text to speech - Highlighting	- Accessible with screen readers - Text Annotation in multiple colors - Text-to-Speech	Dictation: allow students to type by verbally dictating. Subtitles & Captioning: puts written words with video Speak Selection: highlight text and choose “speak” to have the device audibly read the text.

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					- Leveled reading passages		
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