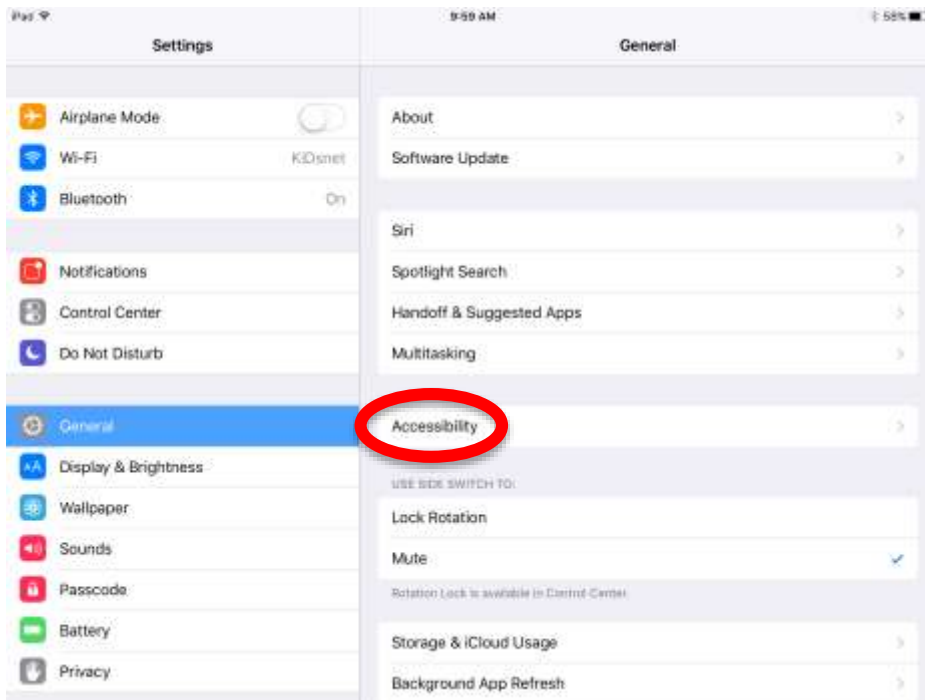


IOS Devices – Update on Accessibility Options

Children's Hospital of The King's Daughters
Hospital School Program

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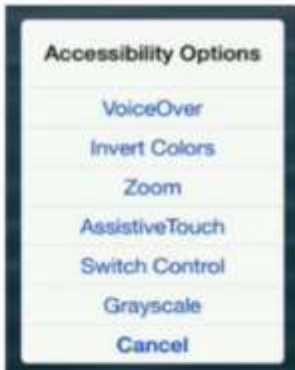

Basic Setting Options



Accessibility Options


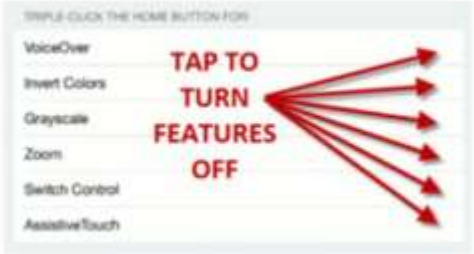

Vision – Speech & Zoom
Interaction
Hearing
Media
Learning – Accessibility Shortcuts & Guided Access

Accessibility Shortcuts

7	The Accessibility Shortcut menu looks like this.	
8	Turn on features by tapping once on each feature . This will make the selected features available from the short cut menu. Tap the Home Button once to exit the menu.	
9	From the Home Screen, triple-click the Home Button to bring up the Accessibility Options menu.	
10	<p>Tap a feature once to select it. The selected feature will be indicated by a check mark.</p> <p>Notice any changes that occur when a feature is activated. In this case, Grayscale has changed the colours to gray tones.</p>	


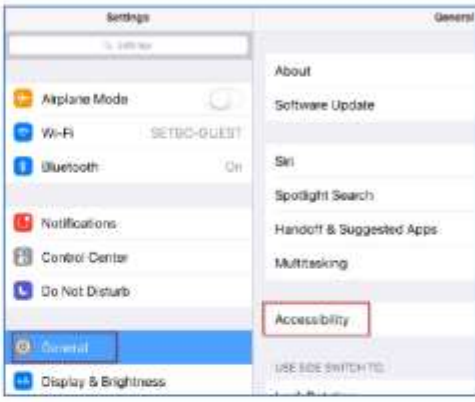



11	<p>Explore the Accessibility Shortcut by activating and deactivating various accessibility features.</p> <p>For example: Invert Colors.</p>	
12	<p>To turn off the Accessibility Shortcut feature go to the iPad's Home Screen, find and tap on the Settings icon to access the Settings Menu.</p>	
13	<p>On the left scroll down menu, locate and tap General Settings.</p> <p>On the right scroll down menu locate and Tap Accessibility to access the iPad's Accessibility Settings Menu.</p>	

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14	Locate Interaction in the right scroll down menu, then locate the Accessibility Shortcut button.	
15	Tap once on each feature to deselect them.	
15	Push the Home Button once to exit the menu.	

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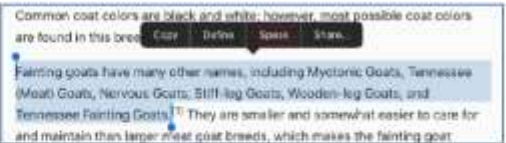
Speak Selection

Using iOS Speech Setting on an iPad.		
1	Click on Settings from the iPad's home screen to access the Settings Menu.	
2	From the left navigation panel, tap General settings. Select Accessibility .	
3	Under the Vision section, select Speech .	
4	Tap the toggle button  for the following settings: <ul style="list-style-type: none"> • Speak Selection • Speak Screen • Highlight Content 	





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5	On the iPad, press the Home Button once located in the center at the bottom of the device to return to the Home Page.	
6	Tap the Safari icon to launch the web browser.	
7	Tap once in the address bar at the top of the app to enter the edit field. Enter: www.wikipedia.org	
8	Tap once in the search edit field and enter a search term. For this tutorial: fainting goat	
9	To have this eText read-out loud from the beginning, use two fingers from the top edge of the screen, swipe down slowly to bring up the Speak Screen control panel. You can adjust the speech settings to suit your preference.	

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10	<p>To have this eText read out loud from the beginning, use two fingers from the top edge of the screen, swipe down slowly to bring up the Speak Screen control panel.</p> <p>You can adjust the the speech settings to suit your preference.</p>	
11	<p>Minimize the control panel by tapping .</p> <p>The control panel now is minimized behind the  icon. The speaking will continue even though the control panel is minimized.</p> <p>To bring back the control panel, tap the  icon once more.</p>	
12	<p>To select a portion to be read, tap and hold your finger on an area of text.</p> <p>Once blue handles appear, hold and drag the blue handles to select the text you would like to be read out loud.</p> <p>Once you have defined the selection, tap the Speak option to have the selected text read.</p>	

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13	<p>When you have finished exploring, turn off the feature by returning the Accessibility menu. Under the Vision section, select Speech.</p>	
14	<p>Turn off any settings that you activated by sliding the toggle button  to gray.</p>	
15	<p>On the iPad, press the Home Button once located in the center at the bottom of the device to return to the Home Page.</p>	

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Zoom Options

Using the accessible iOS Zoom feature of an iPad.	
1	<p>From the iPad's Home Screen, find and tap on the Settings icon to access the Settings Menu.</p> 
2	<p>On the left scroll down menu, locate and tap General Settings.</p> <p>On the right scroll down menu locate and Tap Accessibility to access the iPad's Accessibility Settings Menu.</p> 
3	<p>Locate the Vision Settings in the right scroll down menu, then locate and click on Zoom setting. Slide the toggle to the right (green) position to turn the Zoom setting on.</p> 



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4	<p>Locate the Zoom Region control and tap it once to enter the Lens Modes window. Tap once on Window Zoom mode selection box to activate it.</p> <p>Return to the previous menu by tapping the Zoom arrow located at the top of the screen.</p>	
5	<p>In the Zoom menu, locate the Maximum Zoom Level slider at the bottom of the screen and use it to adjust the zoom level to 5X. Click the Home Button once to exit the menu and return to the Home Screen.</p>	
6	<p>Double Tap three fingers to activate Window Zoom. To change the view, move the window by dragging the Control Tab located on the bottom edge of the zoom window.</p>	






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7	<p>Access the Window Zoom controls by tapping once on the Control Tab. The Zoom Mode, Lens Size, and Filters can be selected here. Show Controller activates an on-screen controller for the Zoom Window.</p>	
8	<p>Now explore the Zoom function by opening and using some of your other apps such as Notes and Safari, each time noticing the different look the Zoom setting provides. Experiment with different zoom modes, levels and filters. Double Tap three fingers to deactivate Window Zoom.</p>	
9	<p>Once you have finished exploring this setting, remember to go back to the Accessibility Settings Menu to turn the feature back off.</p>	
10	<p>Slide the toggle to the left (grey) position to turn Zoom setting off.</p>	





Guided Access

3	<p>Locate "Learning" in the right scroll down menu, then tap Guided Access once to enter the Guided Access settings menu.</p>	
4	<p>Locate the Guided Access Toggle and slide the toggle to the right (green) position to turn Guided Access on.</p>	





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5	Locate and tap Passcode Settings and tap Set Guided Access Passcode to enter a four digit passcode for Guided Access.	 <p>Caution: Remember Passcode</p>
6	Tap Time Limits once to enter the Alarm submenu. Tap once on Sound to enter the Alert Tones submenu. Tap on an alert tone to select it. Return to the previous menu by tapping the Time Limits arrow located at the top of the screen.	
7	Enabling Speak will provide a verbal warning for a Time Limit. To do this, locate the Speak Toggle and slide the toggle to the right (green) position . Return to the previous menu by tapping the Guided Access arrow located at the top of the screen.	
8	Enabling the Accessibility Shortcut will allow the user to use Invert Colors, Grayscale, and Zoom while in Guided Access mode. To do this, locate and slide the Accessibility Shortcut toggle to the right (green) position.	
9	Push the Home Button once to exit the menu.	

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10	Next open the Safari Browser.	
11	Navigate to www.setbc.org .	
12	Triple Click the Home Button to turn on Guided Access. The Guided Access controls will appear at the bottom and top of the screen.	
13	The Hardware Buttons Options allow users to make the iPad's buttons inactive while in Guided Access mode. To do this, locate and slide the individual toggles to the right (green) position.	

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14	<p>The Touch setting allows users to make the iPad's screen inactive or active while in Guided Access mode. To allow screen touches, locate and slide the individual toggle to the right (green) position. Note: If this function is turned off screen touches will have no effect.</p>	
15	<p>The third setting brings up options that are specific to the app that you are using with Guided Access. In this example, Safari has an option to turn the Dictionary Lookup off/on.</p>	
16	<p>The Time Limit Option allows users to set a countdown timer to limit the use of apps while in Guided Access mode. To do this, locate and slide the Time Limit toggle to the right (green) position. Set the time by dragging the hours and/or minutes columns to your selected time.</p>	
17	<p>Specific areas of the screen such as buttons or links can also be disabled. To do this, use your finger to roughly outline an area on the screen and then adjust it using the small grey circles on the corners of the darker grayed out area. When an area is disabled screen touches will have no effect.</p>	

18	<p>Once you have completed the settings locate and tap Start on the upper right corner to start Guided Access. Note: If you have previously used Guided Access with the app it will say Resume instead of Start.</p>	
19	<p>Once Guided Access has started a notification will appear at the top of the screen. While in Guided Access certain screen touches and hardware buttons will have no effect (depending on the settings chosen).</p>	
21	<p>If the Countdown Timer was set the screen will be blacked out and the iPad disabled once the time limit expires.</p>	
22	<p>To exit Guided Access triple, click the Home Button and enter the Passcode.</p>	

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23	Tap End in the upper left corner to disable Guided Access. The iPad will now return to normal opera.	
24	Once you have finished exploring this setting, remember to go back to the Accessibility Settings Menu to turn the feature back off.	
25	Slide the toggle to the left (grey) position to turn the Guided Access setting off.	
26	Push the Home Button once to exit the Settings Menu.	

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Website resources for accessibility

<http://www.apple.com/accessibility/ios/>

<https://support.apple.com/en-us/HT204390>

<https://www.ablenetinc.com/emails/Technology/iOS8-FollowUp-Sept2014.html>

<https://www.setbc.org/2015/11/ipad-accessibility-2015/>

Switch Accessible Apps

<http://www.janefarrall.com/switch-accessible-apps-for-ipadiphone-non-aac/>

Additional Resources:

<http://skoogmusic.com/>

<https://www.playosmo.com/en/?gclid=Clut8Ma2tM4CFcEmhgodNoEKMw>

<https://www.tiggly.com/>

<https://getkahoot.com/>

<https://www.ablenetinc.com/blue2-bluetooth-switch>

<https://www.ablenetinc.com/hook-switch-interface>

YouTube Links:

1. Christopher Hills:

<https://www.youtube.com/watch?v=zQTite7wzxM&feature=youtu.be>

<https://www.youtube.com/watch?v=GQKEE9n1lk>

https://www.youtube.com/watch?v=JvF59tPm-8A&feature=em-subscriptions_digest

<https://www.youtube.com/watch?v=1l1koQP6q0>

<https://www.youtube.com/user/icdhills>

2. Switch Control basics:

<https://www.youtube.com/watch?v=TH540kuBDwo>

3. Setting up Switch Control with head movements:

<http://www.youtube.com/watch?v=cdw4O4DM3wI>

4. Assistive Touch:

<https://www.youtube.com/watch?v=9uK7N7NoXfo>

<https://www.youtube.com/watch?v=NeIO7um1Bqc>

<https://www.youtube.com/watch?v=7RHXW49cRd0>

5. iOS9 Accessibility <https://www.youtube.com/watch?v=cn96NvCz5ag>

6. Guided Access https://www.youtube.com/watch?v=SmkHc_uT0y8

7. Voice Over <https://www.youtube.com/watch?v=ZbWMYNVkvfM>

8. Dillon's Story <https://www.youtube.com/watch?v=nle-rux7XKs>

9. Accessibility Shortcuts <https://www.youtube.com/watch?v=2le-ZTOImmo>