

iOS Accessibility feature: Assistive Touch

Introduction

Assistive Touch provides an onscreen button to control the iPad in place of the hardware buttons. Assistive Touch helps users who have difficulty touching the screen or pressing the buttons use the iPad by replacing many of the iPad's buttons and complex screen touches with easier to use onscreen controls.

Learning Objectives

Completion of this tutorial will give you experience with the following:

- An ability to turn on and use Assistive Touch Accessibility.


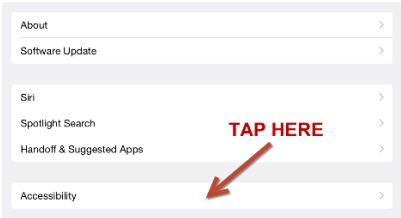
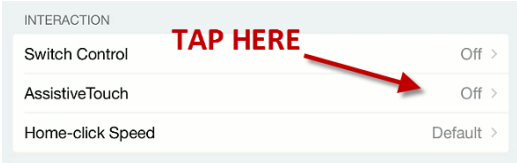
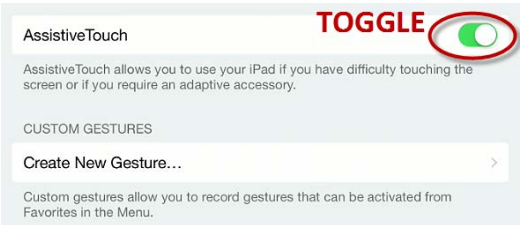

This tutorial assumes:

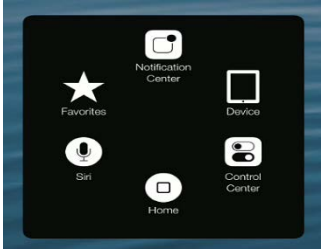



- An iPad with iOS 8.4 or later version. Earlier versions of IOS may also work however they are not covered by the scope of this information. This feature also is available for iPhone.


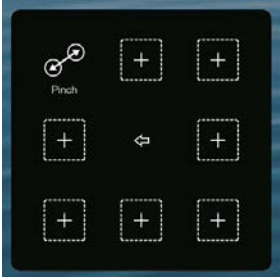

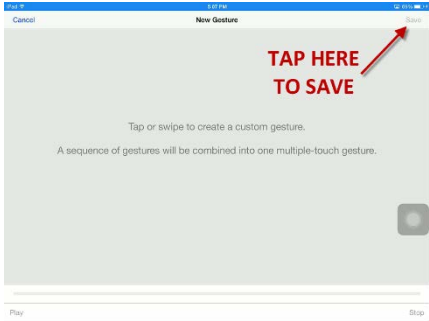
Case Study:

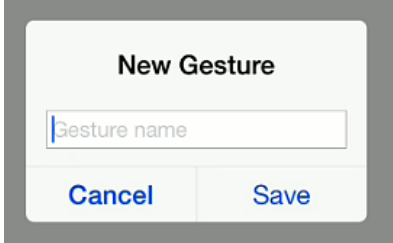
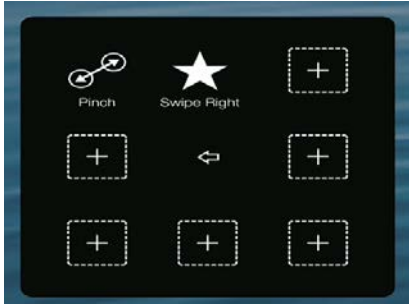
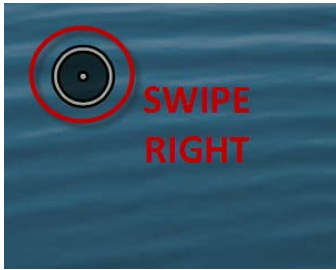

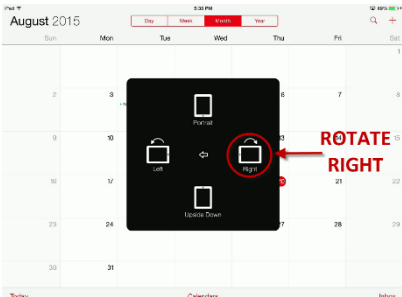
Mark is in Grade 8. He has Juvenile rheumatoid arthritis. Writing and printing can be very painful as well as using the key board on his school laptop. Mark's parents have purchased an iPad for Mark to use at school for educational purposes. Mark's school team are trying to look for ways for Mark to use the iPad for researching, reading, and written output. Mark uses an iPad at home for games and has mentioned that some days even the buttons on the iPad can be painful to use. Mark is fully integrated student and does not receive Education Assistant support.

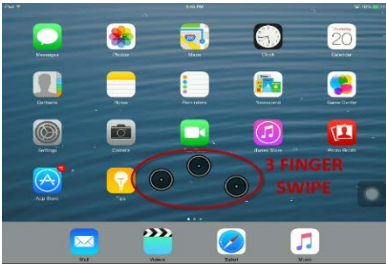
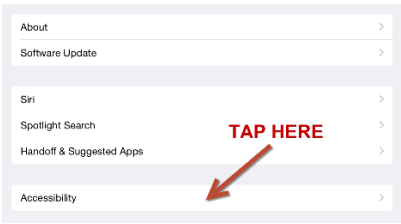


Using the accessible iOS feature Assistive Touch on an iPad.

<p>1</p>	<p>From the iPad's Home Screen, find and tap on the Settings icon to access the Settings Menu.</p>	 <p>The image shows the Settings app icon, which is a grey gear with a white center, labeled "Settings" below it.</p>
<p>2</p>	<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>	 <p>The image shows a screenshot of the Settings app menu. A red arrow points to the "Accessibility" option at the bottom of the list, with the text "TAP HERE" written in red above the arrow.</p>
<p>3</p>	<p>Locate Interaction in the right scroll down menu, then tap Assistive Touch once to enter the settings menu.</p>	 <p>The image shows the "INTERACTION" settings screen. A red arrow points to the "AssistiveTouch" toggle switch, which is currently turned off, with the text "TAP HERE" written in red above the arrow.</p>
<p>4</p>	<p>Locate the Assistive Touch Toggle and slide the toggle to the right (green) position to turn Assistive Touch on.</p>	 <p>The image shows the "AssistiveTouch" settings screen. The toggle switch is now turned on (green), and the word "TOGGLE" is written in red above it. A red circle highlights the green part of the toggle.</p>
<p>5</p>	<p>Click the Home Button once to exit the menu and return to the Home Screen. The Assistive Touch Icon will now be visible.</p>	 <p>The image shows the iPad's Home Screen. A red arrow points to the small white Assistive Touch icon in the bottom right corner of the screen, with the text "ASSISTIVE TOUCH ICON" written in red above the arrow.</p>

<p>6</p>	<p>Tap the Assistive Touch Icon once to open the menu. The six available Assistive Touch operations are: Device, Control Center, Home, Siri, Favorites, and Notification Center.</p>	
<p>7</p>	<p>Tapping on Control Center or Notification Center will bring up each of those screens. Tapping Home or Siri will perform each of those actions. Explore.</p>	
<p>8</p>	<p>Tap Device once to open the Device options. From here the Volume, Mute, Lock screen, Rotate Screen, and More controls can be accessed. Explore then tap the arrow once to return to the main menu.</p>	
<p>9</p>	<p>Tap More once to open additional device options. From here the Screenshot, Multitasking, Shake and Gestures controls can be accessed. Explore. Explore then tap the arrow once to return to the main menu.</p>	

<p>10</p>	<p>Tap Gestures once to open the Gestures control. Gestures allow multiple finger swipes or drags to be performed on the iPad with just a single finger or stylus. Explore then tap the arrow once to return to the main menu.</p>	
<p>11</p>	<p>Tap Favorites once to open the favorites menu. Favorites are complex gestures that can be performed with just a single finger. Users can create their own custom gestures (eg swipe). Explore then tap the arrow once to return to the main menu.</p>	
<p>12</p>	<p>To create a custom gesture go to Assitive Touch in the Accessibility menu. Locate the Create New Gesture button and tap once to enter the gesture recording screen.</p>	
<p>13</p>	<p>To create a custom gesture perform the gesture on the recording screen and tap save. Try creating a gesture for a right swipe by performing a right swipe on the screen and tapping save.</p>	

<p>14</p>	<p>Give your new gesture a name and tap Save. Click the Home Button once to exit the menu and return to the Home Screen.</p>	
<p>15</p>	<p>Your new gesture should now be available in the Assistive Touch Favorites.</p>	
<p>16</p>	<p>Tap the name of your new gesture (Swipe Right in this example) once to activate it. A blue circle should appear on the screen. To use the gesture drag the blue circle to the point you want to use it and release.</p>	
<p>17</p>	<p>Explore. Try using the iPad without the hardware buttons. Take a Screenshot.</p>	
<p>18</p>	<p>Rotate the screen.</p>	

<p>19</p>	<p>Perform a 3 Finger Swipe with a single finger.</p>	
<p>20</p>	<p>Once you have finished exploring this setting, remember to go back to the Accessibility Settings Menu to turn the feature off.</p>	
<p>21</p>	<p>Slide the toggle to the left (grey) position to turn the Assistive Touch setting off.</p>	
<p>22</p>	<p>Click the Home Button once to exit the Settings Menu.</p>	

TASK

After practicing with Assistive Touch answer the following questions in your group.

1. Write one potential advantage for using this setting with students.
2. What might be some cautions for using this setting with students?
3. How might you get students using this tomorrow?
4. List one or two other implementation ideas for using this setting.