

3-Finger Swipe Left And Right

Action

- **3-finger swipe left:** Scrolls to the next page (moves right).
- **3-finger swipe right:** Scrolls to the previous page (moves left).

Why Are The 3-Finger Swipe Left And Right Gestures Important?

- These are the “**scrolling**” gestures, allowing users to turn pages in a book, navigate through the iPad’s Home screens, or move right/left through pages of app content.
- Unlike a **1-finger swipe**, which moves through individual items, a 3-finger swipe scrolls entire pages.

Prerequisites

- 1-finger swipe left/right

Warm Up Activities

Understanding Scrolling Direction

- The **1-finger swipe right** moves to the next item, but the **3-finger swipe right** moves back to the previous page – **these movements are in opposite directions than expected.**
- Why? Think about turning the page in a physical book:
 - You grab the **right edge** and pull it **left** to turn the page.
 - You grab the **left edge** and pull it **right** to go back a page.

Activity: Scrolling with a Book

- Place a closed book in front of the child.
- Ask them to turn the page and verbalize: “**Grab the right edge and pull it left.**”
- Repeat the activity by going back a page, grabbing the **left edge** and pulling it **right**.
- Demonstrate the same action on an iPad using a **3-finger swipe**.

Physical Gesture

- Fingers should be relaxed, slightly apart, and slightly bent.
- The motion is similar to a 1-finger swipe, but with three fingers extended.
- Hand position:

- Create a fist and extend the index, middle, and ring fingers.
- Fingers should face the top of the iPad screen.
- Keep the arm steady and move only the fingers about 1 inch (2 cm) left or right.
 - If necessary, slightly rotate the wrist while swiping the fingers.
- To limit excessive movement, place your thumb and index finger apart on a flat surface, creating a boundary for the child's 3-finger swipe.
 - Ask the child to swipe within that boundary to develop muscle memory.

Modification

- **Small wrist movements**
 - Some children may prefer to move their entire hand slightly rather than just fingers (hand moves sideways with the fingers).
- **3-finger push or pull**
 - If the 3-finger swipe is difficult, place the whole arm parallel to their body, then:
 - **Push method** (next page): Extend three fingers and push them left. For a right-handed child, the fingers of the right hand will be pointing to the left with the thumb closest to the body.
 - **Pull method** (previous page): Extend three fingers and pull them right. For a right-handed child, the fingers of the right hand will be pointing to the left with the thumb closest to the body.
 - **Tip:** Demonstrate this movement using hand-under-hand method.
- **Open palm swipe**
 - Children with good finger isolation may hover their open hand, palm down, and use only three fingers to swipe.
- **Braille display or Bluetooth keyboard**
 - 3-finger gestures can be physically challenging for young children.
 - If a child struggles with finger isolation, introduce a refreshable braille display or Bluetooth keyboard for scrolling and other more physically challenging gestures.
 - Braille display commands are covered in the separate VoiceOver Playground Braille Display Game.

Earcon

- The **3-finger swipe** produces the standard "new screen" earcon: three ascending tones.

Common Issues

- **Gesture not recognized:**
 - **Cause:** 1, 2, or 4 fingers touch the screen.
 - **Fix:** Ensure exactly 3 fingers are touching the screen.
 - **Cause:** If fingers are stiff or together, the longer index finger may touch the screen before the other fingers, causing the gesture to be interpreted as a 1-finger gesture.
 - **Fix:** Keep fingers relaxed, separated, and slightly bent.
- **Wrong page turned:**
 - **Cause:** Swiping in the wrong direction.

- **Fix:** Understand the direction of the 3-finger gesture.
 - 3-fingers swipe left moves to the next page while a 3-finger swipe right moves to the previous page.

Lessons

Lessons without detailed explanations were covered in previous lessons.

Lesson 1: 1-finger swipe left/right

Lesson 2: 3-fingers swipe left/right

- **Goal:** Learn the 3-finger swipe left/right gestures
- **Screen layout:**
 - A large book is displayed on the middle of the screen
- **Breakdown:**
 - The child performs a 3-finger swipe left to open the book.
 - The first stanza of Twinkle, Twinkle Little Star is read.
 - The child swipes left three times to reach the end of the book.
 - Each page reads another stanza of Twinkle, Twinkle Little Star.
 - The child then performs a 3-finger swipe right to go back a page.
 - Each page reads the previous stanza of Twinkle, Twinkle Little Star.
 - Swiping right three times closes the book, completing the lesson.

This structured approach helps children develop essential navigation skills for reading, scrolling, and accessing digital content efficiently, while practicing the 3-finger swipe left/right gestures.