

2-Finger Swipe Up/Down (Reading Gestures)

Action

- **2-finger swipe up:** Starts reading from the top of the page.
- **2-finger swipe down:** Starts reading from the current VoiceOver cursor location.

Why Are The 2-Finger Swipe Up/Down Gestures Important?

- 2-finger gestures are known as the “**reading**” **gestures**, they help with reading and navigating written content in documents, books, and menus.
 - 2-finger swipe up/down are known specifically as the “**read all**” **gestures**.
- 2-finger swipe up/down is a quick way to read through items on the screen without dragging or swiping multiple times.
- 2-finger swipe up/down reads everything on the screen, including buttons, app icons, menus, and text.

Prerequisites

- 1-finger swipe up/down
- 2-finger tap is beneficial

Warm Up Activities

- Not applicable

Physical Gesture

- This gesture can be done in two ways:
 1. **Open palm position:** Keep the hand open with fingers relaxed, separated, and slightly bent.
 2. **Fist position:** If needed, make a fist then extend the index and middle fingers while keeping the rest curled.

How to Perform the Gestures:

- **2-finger swipe up:**
 - Lightly place two fingers on the screen.
 - Quickly **push them up** away from the body (toward the top of the screen).
 - Keep the movement controlled and small (1 inch or 2.25cm).
- **2-finger swipe down:**

- Lightly place two fingers on the screen.
- Quickly **pull them down** toward the body.
- Keep the movement small and controlled.

Modification

Some children may prefer alternative movements:

- **2-finger swipe up:** Start with slightly curled fingers and **straighten them quickly** (a flick up motion instead of a push).
- **2-finger swipe down:** Start with straight fingers and **curl them inward quickly** (a flick down or curling motion instead of a pull).

Earcon

- There is no specific earcon for the 2-finger swipe up/down.
- However, VoiceOver will make a “click” sound as it moves through each item on the screen.

Common Issues

- **Gesture is recognized as a 1-finger swipe:**
 - **Cause:** Fingers are touching, are stiff, or are straight causing the taller middle finger to touch the screen before the index finger.
 - **Fix:** Ensure fingers are separated, relaxed, and slightly bent.
- **Gesture not recognized or recognized as a 2-finger tap:**
 - **Cause:** Fingers are resting on the screen before moving.
 - **Fix:** Ensure fingers immediately start moving after touching the screen.
 - **Cause:** Finger movement is too slow.
 - **Fix:** Fingers should be a quick movement.

Lessons

Lessons without detailed explanations were covered in previous lessons.

Lesson 1: 2-finger tap

Lesson 2: 2-finger swipe up/down

- **Goal:** Learn the 2-finger swipe up/down gestures
- **Screen layout:**
 - The screen displays a sandy beach.
 - A large colorful beach ball appears with a 2-finger swipe down and disappears with a 2-finger swipe up.
- **Breakdown:**
 - The child performs a 2-finger swipe down gesture to pick up the beach ball. (A colorful beach ball appears on the screen.)
 - A 2-finger swipe up kicks the ball.
 - Repeat the gestures three times to complete the lesson.

Lesson 3: Reading Gestures Activity

- **Goal:** Learn to apply the 2-finger “Reading Gestures” (2-finger swipe down, 2-finger swipe up, and 2-finger tap.)
- **Screen Layout:**
 - A list of food items on a menu:
 - Poutine
 - Bannock
 - Tourtiere
 - Marzo Ball Soup
 - Pierogies
 - Fruit Salad
- **Breakdown:**
 - Use a 2-finger swipe up to start reading the menu from the beginning.
 - Use a 2-finger tap to stop reading when you hear “Matzo Ball Soup.”
 - Swipe up with 2 fingers to start reading the menu from the beginning.
 - Use a 2-finger tap to stop reading when you hear “Bannock.”
 - Swipe down with 2 fingers to start reading from the current location.
 - Use a 2-finger tap to stop reading when you hear “Fruit Salad.”
 - The lesson is completed when all three menu items have been ordered.

This structured approach ensures children develop efficient reading navigation skills with VoiceOver, making text-heavy content more accessible and improving listening comprehension, while practicing the 2-finger swipe up/down and 2-finger tap gestures.