

Grouping Concept

Definition

Grouping involves sorting objects or events according to similarities.

Why Is Grouping Important?

Before children can engage in meaningful number learning, they must be able to sort and classify objects into groups. Grouping helps children:

- Recognize similarities and differences
- Develop categorization skills
- Build early numeracy skills

Prerequisites

The prerequisites for grouping activities depend on the specific game design. For the VoiceOver Playground lessons, children should be familiar with:

- Horizontal Dragging (with sonification)
- Horizontal Dragging (without sonification)
- 1-Finger Tap
- Spatial Awareness (5 locations)
- Drag and Split Tap

How Does VoiceOver Announce Grouping?

VoiceOver announces the item that has the focus, but there is no unique VoiceOver announcement for grouping.

Navigating Grouping Activities

- Navigation methods vary based on game design.

Earcon

A “click” sound plays when navigating through items on the screen.

Lessons

Lessons without detailed explanations were covered in previous lessons.

Lesson 1: Drag in a straight line with Sonification (Horizontal)

Lesson 2: Drag in a straight line without Sonification (Horizontal)

Lesson 3: 1-Finger Tap

Lesson 4: Spatial Awareness (5 Locations)

Lesson 5: Drag and Split tap

Lesson 6: Grouping Activity

- **Goals:**
 - Learn to identify objects that belong in the same group
 - Reinforce spatial awareness
 - Practice the drag and split tap gesture
- **Screen Layout:**
 - Car – Top (center) of the screen
 - Telephone – Middle of the screen
 - Guitar – Bottom (center) of the screen
 - Flute – Left (center) of the screen
 - Trumpet – Right (center) of the screen
- **Breakdown:**
 - The child is asked to drag and split tap all the objects that are musical instruments.
 - In any order, the child must find and activate:
 - Flute
 - Guitar
 - Trumpet
 - Once all correct objects are selected, the lesson is complete.

This structured approach ensures children develop sorting skills, grouping, spatial awareness, and early categorization abilities while practicing the drag and split tap gesture.