

Parenting Observation Study Experiment 2 (parenting_obs_e2)

Ages 12-24 months

Planned n = 80

Props by condition:

12-18_A

Plastic bath animals

12-18_B

2 cars, 2 horses, 2 rings

12-18_C

puzzle

18-24_A

2 cars, 2 horses, buckets

18-24_B:

maracas, drum, tambourine, clapper

18-24_C:

Yellow car; blue car; yellow block; red block; green block; blue block

Setup:

1. Consent form + Demographics form
2. Foam mat on floor; 3x4 square rectangle
3. Have tablet open and log into folder with videos
4. Open link to video survey
5. Have headphones connected to tablet; test volume with Kinedu videos
6. Have sibling entertainment materials ready
7. Position video equipment:
 - a. Video camera on tripod near door facing mat
 - b. iPad with fisheye lens attachment; placed inside cardboard box facing mat
8. Prepare sound equipment:
 - a. Laptop, mixer, receiver connected and plugged in
 - b. Wireless transmitter on and set to same channel as receiver
 - c. Garageband open with new recording set up

Procedure:

1. While recruiting on museum floor, explain study to parents as follows:

"Hi, I am ____ and I'm here from the Language and Cognition Lab at Stanford. We are doing a research study here at the museum looking at how parents and babies play together. Would you like to hear more?"

If yes: Great! So we would have you watch a short video about infant development, and then we would make a video of you and your child playing with some toys for 3 minutes. Does that sound good to you?"

2. Once in the room, have parent sign consent form and fill out demographics form. Check the demographics form for language input- if child hears other languages, ask parent if they normally speak to child in English at home or not. Make note of answer on demographics sheet.

3. Give instructions regarding video

- a. *"We are going to show you a short video about infant cognitive development. We want to make sure you are able to watch the video, so feel free to pause it if there's an interruption."*

******Make sure parent is able to watch video without too much distraction. This might mean having the child sit in her/his lap, or making sure child is playing elsewhere.******

4. Have parent fill out post-video survey: [LINK TO SURVEY](#)

5. Begin play session:

Kinedu group: *"We would like you and your child to play according to the activity you saw in the video."*

Control group: *"We would like you and your child to play with the toys we have provided."*

- a. Have parent and child sit on mat.
- b. Turn on video camera and ipad video; make sure parent and child are in frame
- c. Have parent attach microphone to shirt and place transmitter on floor
- d. Turn on recording in Garageband
- e. Set timer or stopwatch to 3 minutes and tell parent to begin play
- f. After three minutes, tell parent and child they can stop playing, and turn off sound and video equipment.

6. Thank parent and debrief:

“Thank you so much for participating! For this study we were interested in whether videos that suggest specific activities help parents engage more with their child. Some parents watched a video about a specific activity, and some parents watched a video about cognitive development more generally.”

Audio Editing Procedure

1. When first opening GarageBand file save as SubID_cut. Put in time mode (not measures)
2. Find where RA says to parent “We’re going to start” & drag navigation arrow. Select Cut feature.
3. Delete first chunk--Time will reset: at 3 minutes select cut feature again and delete remaining audio.
4. Save and export to disk-->AAC Encoder/ Highest Quality
5. Upload to server (system preferences/network for VPN then connect using Finder on Mac)