RR2 Posttest Procedure

Equipments and materials

- Posttest Folder with:
  - RR2 Posttest Log
  - Anomalous Picture Task
  - Narrative Description
  - Story Session 8 Retell
  - Social Relational Interview
  - Robot Sorting Task
- Tablet with vocabulary assessment app
- Headphones
- Web cam

Assessments

The assessments that are administered during the Posttest, with approximate times for each, are:
- Anomalous Picture Task with experimenter (human, familiar) - 1min
- Narrative Description - 2min
- Story Session 8 retell (delayed retell) - 2-5min
- Social Relational Questionnaire - 3-5min
- Robot sorting task - 1min
- Custom vocabulary - all (delayed recall) - 5min

1. Setup and get a kid!

1. Set up the camera pointing toward where the child will sit. You can **open Photo Booth** and check the views of the webcam and adjust appropriately (change cameras in the "Camera" menu).

2. Set the tablet nearby with the headphones plugged in for the vocabulary assessment.

3. Get a kid
   a. Check the class schedule (if there is one). Which class can you get a kid from?
   b. Bring your list of kids (RR2 Participant List).
   c. Visit the classroom. Ask the teacher or one of the assistant teachers for a kid from the list who needs a turn. You may ask for a specific kid, but sometimes it is better to ask for one of several kids, so the teacher can decide which kid is easiest to pull out at that particular time.

4. Get kid situated
   a. Bring the kid back to the robot. "Okay, here we are!"
   b. Show kid where to sit. "This is your chair."

5. Start camera recording
   a. "Let me check the camera to make sure it's all set!"

b. Check video view (you already did this, but may want to check again).
c. Adjust the camera as needed.
d. Start recording:
    i. On your mac, open a terminal and navigate to the rr_tools directory:
        1. `cd ~/projects/rr_tools/`.
    ii. Enter the participant ID and the session number:
        1. $ `./record_from_camera.sh p000-post`
    iii. **Follow the prompt: Select the camera and microphone. Double check that you have selected the correct camera and microphone!**
    iv. This script is from https://github.com/mitmedialab/rr_tools
e. Recording will not start until you have selected the camera and microphone! So make sure you do that.

6. Fill in one line of the RR2 Posttest Log. Make sure to record the date, and the start and end times!

7. During the assessments, write down any comments about the participant, e.g., "did not complete vocabulary", "stopped halfway to use the bathroom then came back to finish it", "mostly spoke Spanish", "did not understand questions", etc. These comments are very useful during data analysis.

2. Anomalous Picture Task

1. See instruction sheet in your folder.

3. Narrative Description (with puppet)

1. See instruction sheet in your folder.

4. Story Session 8 Retell (with puppet)

1. **Open the Baby Duck Story app.**
2. Puppet: "I heard that Red told you lots of stories! Can you tell me a story? I love stories!"
3. Show the child the tablet with the story pages.
4. Puppet: "See, here's a story! You can flip through the pages with the arrows!"
5. Encourage the child to retell the story, using the puppet. You may use prompts such as:
    a. I would love to hear anything you remember!
    b. You don't have to remember it all or get it all right. What happened here?
    c. What do you remember about this page?
    d. What do you see on this page?
    e. Who's that? (point to a character) Yes? What are they doing?
6. If the child refuses to tell the story, try prompting them. If they still refuse, move on to the next part of the posttest.
7. Record in the Posttest Log whether the child retold the whole story, retold some of it (e.g., did a couple pages then skipped to the end or skipped over most of pages and only spoke a little), or did not retell it at all.

4. Social Relational Interview

1. See instruction sheet in your folder.

4. Robot Sorting Task

1. See instruction sheet in your folder.

4. Vocabulary Assessment

1. For each test item in the vocabulary assessment, children are shown four images. A vocabulary word is said and the child is asked to touch the image that shows the word. No feedback about right or wrong answers is given.
2. **Open the Session Posttest app.**
3. Enter the correct participant ID. You can ignore the box for entering the child's birthdate as we do not need it here.
4. During the tutorial items (the first several items), adjust the volume and make sure the child can hear well.
5. This assessment should take approximately 5 minutes.
6. **If you need to pause,** click the home button on the navigation bar (you need to either swipe left from the right side of the screen or swipe down from the top of the screen to reveal the navigation bar) to go to the home screen. When you launch the app again, it will automatically continue.
7. **If the app fails for any reason,** relaunch the app, input the participant ID, and click continue.

When you're done for the day

1. **Update the RR2 Experiment Logs** in the RR2 Data google drive folder: https://docs.google.com/spreadsheets/d/1lgEea-4tRltf44kKjDXmj5ZPCAjQX7uMUL7-PdwPL9c/edit?usp=sharing
   a. **Update the Overall Log** with the date and success/fail information for each participant.
   b. **Update the Posttest Log** with all the information you recorded, including all pretest/posttest responses.
2. **Upload all data** (videos! logs! etc!) to the appropriate folders in the google drive folder: https://drive.google.com/open?id=1Aw1xzWcc40q3QLVzkP0YgLVP-RGmNHAv
   a. Please ensure that each video's filename has the study code, participant ID, and session number in it! This is especially important if you are not using the rr_tools/record_from_camera script for recording. Make sure all video files start with "rr2-p000-post", for example: "rr2-p001-post.mp4" or "rr2-p002-post.mov". Whatever video format is fine but it is very important to label the video files by participant ID and by session!
3. Return all equipment, pretest materials, posttest materials, and paper logs to Jackie!