

Procedures for Running CategoryVR – 3D Condition

Beginning the Experiment:

- Introduce yourself and thank the person for coming and spending their time with you today.
- Give them the informed consent form and prompt them to read it thoroughly before signing
- If the form is signed, reiterate that informed consent means they can withdraw from the study at any point if they feel like it.
- Guide them to the running room, and ask them to take a seat.

Say: (picking up the controller in the booth) all you'll need for today's experiment is this controller. While the tutorial in the experiment will teach you how to use it, I'm just going to walk you through the buttons so you know where to look.

Say: Notice the four buttons on the front here (rotate the controller so that bumpers and triggers are visible) – these are the choice buttons you'll be using to make guesses throughout the experiment. These buttons (flip controller back up and point with your other hand to the movement buttons) will be used to make movements during the experiment. Lastly, (point to button 9 on the controller) this button will be used to advance to the next trial.

- Participants likely won't remember this all right away so remind them that the tutorial will teach them the buttons in more detail before the first trials start.

Say: "As I said, the tutorial will go over these again for you, so don't try and remember it all right now, you'll get it soon enough."

- Remind the Participant that this is a real experiment:

Say: "Please remember that the results of your will be published in an actual research paper; it is therefore important that you try your best as you go through each trial. "

Say: "Do you have any questions at this time?"

- Answer any question as needed

Say: "We will now begin the experiment"

Open the experiment by opening the file on the desktop. The program will prompt you for subject number and cubeset. Use the appropriate entries as indicated on the participant running log as these will ensure that the program uses proper counter-balancing measures across participants.

- Before clicking start, ask the person one more time if they have any questions, and remind them that if they do have questions, issues or want to withdraw from the experiment, to simply notify the researcher by knocking on the running room door.
- If they have no questions, hit run and shut the door gently as you exit the running room.

IF EXPERIMENT RUN TIME EXCEEDS PREDETERMINED PARTICIPATION LIMIT:

- Instruct the participant to finish their current trial:

Say: "Hey there, the experiment has exceeded the time limit, please finish your current trial and stop. We will now end the experiment."

- Enter keyboard commands which will trigger the end of experiment room to appear

When Experiment is finished

- There is an opportunity to discuss the experience with the participant, probing for any feedback they might have on how the experience might have been better. Please note any feedback in the participant notes.
- Give the participant a debrief form and guide them back to the lab entrance, thanking them again for their time and giving them another opportunity to ask questions.
- You may grab the next participant right away if you are ready for them.