**VISUAL MEMORY TASK**

***General Instructions***

**Description:** This task measures children’s visual memory. In this task, children will first see a set of object(s) (target image(s), encoding phase) for either 3 or 5 seconds. Then, children will see a second set of objects (target image(s) + distractors, probe phase), and they will be asked to point to the pictures they saw.

*Before the task*

1. Open*mn\_generaltaskv3\_010924.psyexp* located in the *manynumbers\_visualmemorytask-main* folder.

2. To start the task, click on the green button with the white arrow: A green circle with a white arrow in it

Description automatically generated

3. Enter the participant, site, and age information in the pop-up window.

*During the task*

If the screen has only text, please press “space” to move to the next slide. The task accepts no other responses except mouse clicks and the space bar. Click on the images that the child points to. Once the child has finished selecting the images, press the white arrow to move on to the next trial.

***Script***

**Introduction**

Say, “In this game, I am going to show you some pictures. Then, you will point to the pictures you just saw. Ready?”

**Practice Trials (one target): Administration**

During the encoding phase, say **“Look at this picture.”**

During the probe phase, say, **“Point to the picture you just saw.”**

If correct, say

**“Yes, that is correct!”**

If incorrect and first error, say

**“No, that is not correct! Let’s try again.”**

If incorrect and second error, say

**“No, that is not correct! Let’s see other pictures.”**

* Discourage children from saying the names of the objects out loud, and tell them it is a pointing game, and that they should respond by pointing to their choice without talking.
* If child doesn’t point to any of the images, say **“It is okay to guess.”**

**Experimental Trials (one-target trials): Administration**

During the encoding phase, say **“Look at this picture.”**

During the probe phase, say **“Point to the picture you just saw.”**

* Do not give any help or feedback.
* Discourage children from saying the names of the objects out loud, and tell them it is a pointing game, and that they should respond by pointing to their choice without talking.
* If child doesn’t point to any of the images, say **“It is okay to guess.”**

If children complete at least 66.66% of the one-target trials correctly, the task will automatically present a practice trial with two targets. Then, children will complete trials with more than one target.

For these trials, during the encoding phase, say **“Look at these pictures.”** During the probe phase, say **“Point to the pictures you just saw.”**

* Provide feedback only during the practice trial. **DO NOT** give any help or feedback during the experimental trials.
* Discourage children from saying the names of the objects out loud, and tell them it is a pointing game, and that they should respond by pointing to their choice without talking.
* If a child doesn’t point to any of the images, say, **“It is okay to guess.”**

**Notes**

Please record any relevant concerns or technical difficulties during the administration of the task (e.g., experimenter error, caregiver interference).

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