**Social Referencing Uncertainty Script**

Setup:

****Arrange black tablecloth on large table with crayon marks in the correct locations (the center line should cross over the hole in the middle of the table)

Place large barbershop chair at one side of the table (facing away from door)

Arrange stimuli and label cards in segmented box according to condition, and place on stool next to Experimenter’s side of table

Arrange camera facing child at a 45 degree angle. Make sure entire table is in view.

Set up all chairs in back of child’s chair (make sure parent is in the camera shot)

Recruitment:

I’m a researcher from the Psychology department at Stanford, and we have a study going on today to learn more about how children learn new words. It involves a 5-minute game where children are asked to put different toys in a bucket, and the session will be videotaped. Would you and your child be interested?

Timing:

Metronome (Blinky iPhone app; turn off auto-lock in General Settings) on 50bpm

Introduction:

Obtain consent from parent, and have parent fill out demographics form.

Tell parent, we are interested in how children perform without their parents’ help on this task, so we ask parents not to give any instruction or input during the game.

To child*: I’m going to show you some different toys, and I’m going to tell you which ones to put in the bucket. If you do a good job and choose the right toys, you’ll get a sticker at the end! Let’s practice.*

Procedure:

Training trials (includes feedback)

1. (banana) *Can you put the banana in the bucket?*
2. (cup and cow) *Can you put the cow in the bucket?*

*Demonstrate if child does not put object in bucket.*

*Correct child if they choose the wrong item, or put both items in bucket.*

All trials:

-Place objects simultaneously on the 2 crayon marks closest to Experimenter

-*Hey look there’s a \_\_\_ here.*

*-*Wait 2 beats (based on peripheral view of metronome) while gazing at center dot

-Push both objects simultaneously to the 2 crayon marks closest to child

*-Can you put the \_\_\_ in the bucket?*

*-Okay!*

Condition 1

|  |  |  |
| --- | --- | --- |
| Novel 1 | stimuli%20pics/novel_1.jpg | *“Blicket”* |
| Novel 2 + Novel 3 | stimuli%20pics/novel_2.jpgstimuli%20pics/novel_3.jpg | *“Modi”* |
| Familiar 1 | stimuli%20pics/familiar_1.jpg | *“Grapes”* |
| Familiar 2 + Familiar 3 | stimuli%20pics/familiar_5.jpgstimuli%20pics/familiar_3.jpg | *“Lion”* |
| Novel 4 | stimuli%20pics/novel_4.jpg | *“Dawnoo”* |
| Novel 5 + Novel 6 | stimuli%20pics/novel_5.jpgstimuli%20pics/novel_6.jpg | *“Gazer”* |
| Familiar 4 | stimuli%20pics/familiar_4.jpg | *“Sunglasses”* |
| Familiar 5 + Familiar 6 | stimuli%20pics/familiar_2.jpgstimuli%20pics/familiar_6.jpg | *“Pig”* |
| Novel 7 | stimuli%20pics/novel_7.jpg | *“Toma”* |
| Novel 8 + Novel 9 | stimuli%20pics/novel_8.jpg**../../Pictures/Photos%20Library.photoslibrary/Thumbnails/2016/04/10/20160410-020519/eglwVsCZRSiNQ6lDH7gKXg/thumb_IMG_3287_1024.jpg** | *“Hiftam”* |
| Familiar 7 | stimuli%20pics/familiar_7.jpg | *“Helicopter”* |
| Familiar 8 + Familiar 9 | stimuli%20pics/familiar_8.jpgstimuli%20pics/familiar_9.jpg | *“Apple”* |

Condition 2

|  |  |  |
| --- | --- | --- |
| Novel 2 | stimuli%20pics/novel_2.jpg | *“Blicket”* |
| Novel 3 + Novel 4 | stimuli%20pics/novel_3.jpgstimuli%20pics/novel_4.jpg | *“Modi”* |
| Familiar 2 | stimuli%20pics/familiar_5.jpg | *“Brush”* |
| Familiar 3 + Familiar 4 | stimuli%20pics/familiar_3.jpgstimuli%20pics/familiar_4.jpg | *“Sunglasses”* |
| Novel 5 | stimuli%20pics/novel_5.jpg | *“Dawnoo”* |
| Novel 6 + Novel 7 | stimuli%20pics/novel_6.jpgstimuli%20pics/novel_7.jpg | *“Gazer”* |
| Familiar 5 | stimuli%20pics/familiar_2.jpg | *“Pig”* |
| Familiar 6 + Familiar 7 | stimuli%20pics/familiar_6.jpgstimuli%20pics/familiar_7.jpg | *“Shovel”* |
| Novel 8 | stimuli%20pics/novel_8.jpg | *“Toma”* |
| Novel 9 + Novel 1 | **../../Pictures/Photos%20Library.photoslibrary/Thumbnails/2016/04/10/20160410-020519/eglwVsCZRSiNQ6lDH7gKXg/thumb_IMG_3287_1024.jpg** stimuli%20pics/novel_1.jpg | *“Hiftam”* |
| Familiar 8 | stimuli%20pics/familiar_8.jpg | *“Truck”* |
| Familiar 9 + Familiar 1 | stimuli%20pics/familiar_9.jpgstimuli%20pics/familiar_1.jpg | *“Grapes”* |

Condition 3

|  |  |  |
| --- | --- | --- |
| Familiar 1 | stimuli%20pics/familiar_1.jpg | *“Grapes”* |
| Familiar 2 + Familiar 3 | stimuli%20pics/familiar_5.jpgstimuli%20pics/familiar_3.jpg | *“Lion”* |
| Novel 1 | stimuli%20pics/novel_1.jpg | *“Blicket”* |
| Novel 2 + Novel 3 | stimuli%20pics/novel_2.jpgstimuli%20pics/novel_3.jpg | *“Modi”* |
| Familiar 4 | stimuli%20pics/familiar_4.jpg | *“Sunglasses”* |
| Familiar 5 + Familiar 6 | stimuli%20pics/familiar_2.jpgstimuli%20pics/familiar_6.jpg | *“Pig”* |
| Novel 4 | stimuli%20pics/novel_4.jpg | *“Dawnoo”* |
| Novel 5 + Novel 6 | stimuli%20pics/novel_5.jpgstimuli%20pics/novel_6.jpg | *“Gazer”* |
| Familiar 7 | stimuli%20pics/familiar_7.jpg | *“Helicopter”* |
| Familiar 8 + Familiar 9 | stimuli%20pics/familiar_8.jpgstimuli%20pics/familiar_9.jpg | *“Apple”* |
| Novel 7 | stimuli%20pics/novel_7.jpg | *“Toma”* |
| Novel 8 + Novel 9 | stimuli%20pics/novel_8.jpg**../../Pictures/Photos%20Library.photoslibrary/Thumbnails/2016/04/10/20160410-020519/eglwVsCZRSiNQ6lDH7gKXg/thumb_IMG_3287_1024.jpg** | *“Hiftam”* |

Condition 4

|  |  |  |
| --- | --- | --- |
| Familiar 2 | stimuli%20pics/familiar_5.jpg | *“Brush”* |
| Familiar 3 + Familiar 4 | stimuli%20pics/familiar_3.jpgstimuli%20pics/familiar_4.jpg | *“Sunglasses”* |
| Novel 2 | stimuli%20pics/novel_2.jpg | *“Blicket”* |
| Novel 3 + Novel 4 | stimuli%20pics/novel_3.jpgstimuli%20pics/novel_4.jpg | *“Modi”* |
| Familiar 5 | stimuli%20pics/familiar_2.jpg | *“Pig”* |
| Familiar 6 + Familiar 7 | stimuli%20pics/familiar_6.jpgstimuli%20pics/familiar_7.jpg | *“Shovel”* |
| Novel 5 | stimuli%20pics/novel_5.jpg | *“Dawnoo”* |
| Novel 6 + Novel 7 | stimuli%20pics/novel_6.jpgstimuli%20pics/novel_7.jpg | *“Gazer”* |
| Familiar 8 | stimuli%20pics/familiar_8.jpg | *“Truck”* |
| Familiar 9 + Familiar 1 | stimuli%20pics/familiar_9.jpgstimuli%20pics/familiar_1.jpg | *“Grapes”* |
| Novel 8 | stimuli%20pics/novel_8.jpg | *“Toma”* |
| Novel 9 + Novel 1 | **../../Pictures/Photos%20Library.photoslibrary/Thumbnails/2016/04/10/20160410-020519/eglwVsCZRSiNQ6lDH7gKXg/thumb_IMG_3287_1024.jpg**stimuli%20pics/novel_1.jpg | *“Hiftam”* |