

Study 1: Script (Please avoid having any conversation)

// Greet the participant

Hi! My name is Kenny, and I am the research assistant for this study. Are you _____? Thank you for participating in our study.

Please have a seat here.

// Process explanation

First, by going through this consent form, I will explain what the study is about, so you can decide whether you still want to participate in the study or not. I will also give you time to go over it yourself before you decide. Afterwards, I will help you put on the device and then the study will begin. Once the study is over, we will have a debrief and there is a short questionnaire that will be filled out.

// Instructions / Tutorial / Consent Form Read through

Let's go through this form together!

* Read the consent form and sign*

Condition Audio (Have some sounds ready?):

Today you will be listening to audio cues through the hololens to help you with the game. There are several sound cues that will help you complete the trials in this study. The objective of the game is to achieve a certain pressure in order to score points, The hololens will prompt when you can start and when you are ready to start, you can compress the apparatus like this (show them), When you hear this signal (play sound) you can jump. You will hear different sounds if you have gone over or under the threshold, and a scoreboard will be available to help you keep track of your progress. This study consists of 20 trials, each trial will have 20 targets to attempt and a sound will play after each trial is completed. There is a 1 second cooldown before each trial and a sound will play when the trial is ready to begin.

Condition Visual ():

Today you will be using the hololens to help you with the game. The objective of the game is to achieve a certain pressure in order to score points, the hololens will prompt when you can start and when you are ready to start, you can compress the apparatus like this (show them). This game consists of a fox running across a platform, the objective is to make the fox jump using the apparatus and hitting the crate into the threshold. The height of the target will depend on the amount of pressure you exert to the apparatus. This study consists of 20 trials, each trial will have 20 targets to attempt and a sound will play after each trial is completed. There is a 1 second cooldown before each trial and a sound will play when the trial is ready to begin.

Condition A+V:

Today you will be using the hololens to help you with the game. The objective of the game is to achieve a certain pressure in order to score points, the hololens will prompt when you can start and when you are ready to start, you can compress the apparatus like this (show them). This game consists of a fox running across a platform, the objective is to make the fox jump using the apparatus and hitting the crate into the threshold. There will also be sound cues to guide you through the trial. The height of the target will depend on the amount of pressure you exert to the apparatus. This study consists of 20 trials, each trial will have 20 targets to attempt and a sound will play after each trial is completed. There is a 1 second cooldown before each trial and a sound will play when the trial is ready to begin.

Condition V+A -> A:

Today you will be using the hololens to help you with the game. The objective of the game is to achieve a certain pressure in order to score points, the hololens will prompt when you can start and when you are ready to start, you can compress the apparatus like this (show them). This game consists of a fox running across a platform, the objective is to make the fox jump using the apparatus and hitting the crate into the threshold. There will also be sound cues to guide you through the trial, midway through the trial, the game will continue however the visual and audio aspects of the game will transition to audio only, meaning that only the sounds will guide you through the game. The height of the target will depend on the amount of pressure you exert to the apparatus. This study consists of 20 trials, each trial will have 20 targets to attempt and a sound will play after each trial is completed. There is a 1 second cooldown before each trial and a sound will play when the trial is ready to begin.

**** Tutorial on how to use the bag (Video) ****

// Before they start.

There is no problem with taking the first three trials to get familiar and practice with the tools (If audio involved: and the soundcues), shall we begin?

* Help them put on equipment *

* Start recording *

// After the experiment

Thank you for doing the experiment! There are two more items left, the first one is a very short test to check how well you see colours, and then the final item is a brief questionnaire. Afterwards I will debrief you on the experiment and answer any questions you may have.

// Debrief

- Talk about the different conditions
- Answer questions

// Wrapping up the study

Thank you again for taking the time to come out and do this study, here is your gift card.

* sign receipt *

Have a good day!