

# Test Session Protocol for Codeverter

## Preparation before participant arrives:

Paper prototype, stopwatch, and note takings tools are prepared ready for prototype testing.

Researchers will need to act in the following roles when conducting tests:

### Conductor

- The test conductor will guide the participant through the tasks (outlined in each test's respective task list). They will ensure that the user knows what they are required to complete at each step throughout the testing period.

### System

- Is in charge of managing the prototype and acting as the "system" behind it. I.E. they will make the necessary changes after each interaction completed by the user.

### Observer

- Will take notes on the users interactions with the system (assumptions, comments, questions, etc) as well as tally all statistics relevant to the pro-forma test plan (e.g. time taken to complete a task, number of clicks to complete task, etc)

## Introduction:

Introduce participant to the test and Codeverter concept.

### **Script: (teacher)**

Welcome to the Codeverter testing session, today we will be running through a number of scenarios that will be encountered while using the Codeverter web app. Codeverter is a tool designed to assist teachers and students to learn the skill of coding in a new and fun way. This test will be used to assess the usability of the app as well as the effectiveness and efficiency. We also will use the information gathered to make changes and fix areas that are problematic.

Before we begin the test, we will have to get you to sign this consent form. It details the manner in which your information will be used and is required before we continue. Take your time to read the form and if you do not agree with any part of it then you can choose not to participate at any time.

### **Script: (student)**

Hi! Today we want to try testing a new type of game with you. Hopefully you find it really fun! The game will also help you learn some new things about programming. Do you know what that is?

Awesome! (if they know)

Well, you're about to find out! (if they don't know)

Before we start we'll need a supervisor to read this form (find parent/guardian to give consent on the child's behalf)

## Consent:

- Details of the consent form are read and participants are asked to agree and sign the consent form.
- Ensure that the participant has had enough time to read and understand anything. Answer any questions that they have.
- Ensure that the consent forms are kept safe and secure along with all results.

## Instructions:

Test conductor will give the participant detailed instructions on the task(s) they are about to complete. Tell them any constraints (I.E time) and **ask them to make comments about their actions and to think aloud.**

## Observation Task and Questionnaire

Please refer to each Tests respective tasks and questionnaires.

## Closing

- Tell the participant that the test is now over
- Thank them for their cooperation