

Guide

What is your Prolific ID?

Q1

We are conducting an academic research experiment about teaching and learning computational thinking (CT). We need you to complete a series of activities designed to help us study a variety of ways to learn CT efficiently.

Please complete the activity in each of the 10 steps below in order. Due to the constraints of the experimental design, we cannot approve the work if items are completed out of order, or if the incorrect Username is input into any form in the activities linked below.

To complete all activities, you will need to ensure your browser can use Adobe's Flash browser plug-in. If you are unsure if your browser has enabled Flash, you can check from this [Adobe site](#). We strongly recommend using Chrome, but other options are acceptable as long as the Step 6 puzzles are accessible.

Note that some activities listed below (4, 6, 8) are labeled: **Timed Activity**. Please attempt to complete these activities without interruption. **Reminder: complete all activities in order using the same Username throughout to receive payment approval.**

1

Visit <https://dev.cu-sage.org/#/reg> and create a unique **new account**. Per Prolific policy, do not enter any personally identifiable information, but make sure to record the Username entered because you will need to enter it throughout the experiment. The Username is not required to be an email address. After the account is created, proceed to step 2; dev.cu-sage.org will be useful later in step 6.

2

Complete this [background survey](#).

3

Review this [introduction](#) to the learning system and to the CT concept of Conditionals.

4 Timed Activity

Complete the [pre-test](#).

5

Provide [feedback on the pre-test](#).

6 Timed Activity

Login into <https://dev.cu-sage.org/>, navigate to the assigned Quest, and attempt to complete four puzzles in the learning system. Please do not start the puzzles without first reviewing the instructions labeled *Start Here! | Quest Instructions for All Puzzles*, as those are designed to accompany the puzzles. When you complete a puzzle or the timer expires, navigate to the next puzzle. Proceed to step 7 after you have attempted to solve all four puzzles. **Note: we must reject submissions unassociated with evidence of interaction with all four puzzles.**

7

Provide [puzzle feedback](#).

8 Timed Activity

Complete the [post-test](#).

9

Provide [feedback on the post-test](#).

10

Provide [feedback on the experiment](#).

When finished with all 10 steps, please confirm they have been completed in order by entering "10" in the following field. Then, advance to the last step to confirm your SAGE Username and submit the study to Prolific. Thank you for participating!

Q2

Please make sure to complete, in order, all 10 steps from the previous page prior to submitting this page, which alerts Prolific of study completion. Thank you.

What is your SAGE Username (used to login to dev.cu-sage.org)?

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