Default Question Block

What is your Prolific ID?

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

Q1

For the following statements, please indicate how true each is for you.

	Not at all true (1)	2	3	Somewhat true (4)	5	6	Very true (7)

	Not at all true (1)	2	3	Somewhat true (4)	5	6	Very true (7)
While I was working on the puzzles I was thinking about how much I enjoyed it.	○	○	○	○	○	○	○
I did not feel nervous at all while doing the puzzles.	○	○	○	○	○	○	○
I think I am pretty good at the puzzles.	○	○	○	○	○	○	○
I found the puzzles very interesting.	○	○	○	○	○	○	○
I felt tense while doing the puzzles.	○	○	○	○	○	○	○
I think I did pretty well on the puzzles, compared to others.	○	○	○	○	○	○	○
Doing the puzzles was fun.	○	○	○	○	○	○	○
I felt relaxed while doing the puzzles.	○	○	○	○	○	○	○
I enjoyed doing the puzzles very much.	○	○	○	○	○	○	○
I am satisfied with my performance on the puzzles.	○	○	○	○	○	○	○
I was anxious while doing the puzzles.	○	○	○	○	○	○	○
I thought the puzzles were very boring.	○	○	○	○	○	○	○
I felt pretty skilled at the puzzles.	○	○	○	○	○	○	○

	Not at all true (1)	2	3	Somewhat true (4)	5	6	Very true (7)
I thought the puzzles were very interesting.	○	○	○	○	○	○	○
I felt pressured while doing these.	○	○	○	○	○	○	○
I would describe the puzzles as very enjoyable.	○	○	○	○	○	○	○
After working on the puzzles for awhile, I felt pretty competent.	○	○	○	○	○	○	○

Programming is...

For the following statements, please indicate how true each is for you after the learning experience. Programming is...

	Not at all true (1)	2	3	Somewhat true (4)	5	6	Very true (7)
too difficult to understand	○	○	○	○	○	○	○
something I've wanted to learn	○	○	○	○	○	○	○
boring	○	○	○	○	○	○	○
something I did not know about	○	○	○	○	○	○	○
fun	○	○	○	○	○	○	○

	Not at all true (1)	2	3	Somewhat true (4)	5	6	Very true (7)
a foreign concept	○	○	○	○	○	○	○
enjoyable	○	○	○	○	○	○	○
important to know	○	○	○	○	○	○	○
easy to start	○	○	○	○	○	○	○
an innate ability	○	○	○	○	○	○	○
too time consuming	○	○	○	○	○	○	○
nerdy	○	○	○	○	○	○	○
something that takes practice	○	○	○	○	○	○	○

Programming Attitude Description

Describe your attitude/view towards programming now, after the learning experience.

CAS Extention

Choose one of the following five choices that best expresses your feeling about the statement after the learning experience. If you have no strong opinion, choose "Neutral".

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
After I study a topic in computational thinking and feel that I understand it, I have difficulty solving problems on the same topic.	○	○	○	○	○
Errors generated by computers are random, and when they happen there's not much I can do to understand why.	○	○	○	○	○
If I want to apply a method used for solving one computational thinking problem to another problem, the problems must involve very similar situations.	○	○	○	○	○
I can usually figure out a way to solve computational thinking problems.	○	○	○	○	○
When I solve a computational thinking problem, I break it into smaller parts and solve them one at a time.	○	○	○	○	○
I do not spend more than five minutes stuck on a computational thinking problem before giving up or seeking help from someone else.	○	○	○	○	○
There are times I solve a computational thinking problem more than one way to help my understanding.	○	○	○	○	○
I think about the computational thinking I experience in everyday life.	○	○	○	○	○
Tools and techniques from computational thinking can be useful in the study of other disciplines (e.g., biology, art, business).	○	○	○	○	○
When working on a computational thinking problem I find it useful to brainstorm about solution strategies before writing code.	○	○	○	○	○

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
I find the challenge of solving computational thinking problems motivating.	○	○	○	○	○
When studying computational thinking, I relate the important information to what I already know rather than just memorizing it the way it is presented.	○	○	○	○	○
I enjoy solving computational thinking problems.	○	○	○	○	○
Reasoning skills used to understand computational thinking can be helpful to me in my everyday life.	○	○	○	○	○
Learning computational thinking is just about learning how to program in different languages.	○	○	○	○	○
When I am working on a computational thinking program, I try to decide what reasonable output values would be.	○	○	○	○	○
When I'm trying to learn something new in computational thinking, I find it useful to write a small program to see how it works.	○	○	○	○	○
A significant problem in learning computational thinking is being able to memorize all the information I need to know.	○	○	○	○	○
We use this statement to discard the surveys of people who are not reading the questions. Please select "Agree" for this question to preserve your answers.	○	○	○	○	○
Understanding computational thinking basically means being able to recall something you've read or been shown.	○	○	○	○	○
If I get stuck on a computational thinking problem, there is no chance I'll figure it out on my own.	○	○	○	○	○
The subject of computational thinking has little relation to what I experience in the real world.	○	○	○	○	○
There is usually only one correct approach to solving a computational thinking problem.	○	○	○	○	○

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
To learn computational thinking, I only need to memorize solutions to sample problems.	○	○	○	○	○
I worry that mistakes I make when writing a program may damage my computer.	○	○	○	○	○
I am interested in learning more about computational thinking.	○	○	○	○	○
Females are as good as males at programming.	○	○	○	○	○
Studying computer science is just as appropriate for women as for men.	○	○	○	○	○
I would trust a woman just as much as I would trust a man to figure out important programming problems.	○	○	○	○	○
Women certainly are logical enough to do well in computational thinking.	○	○	○	○	○
It's hard to believe a female could be a genius in computational thinking.	○	○	○	○	○
It makes sense that there are more men than women in computational thinking.	○	○	○	○	○
I would have more faith in the answer for a programming problem solved by a man than a woman.	○	○	○	○	○
Women who enjoy studying computer science are a bit peculiar.	○	○	○	○	○
Women and men can both excel in careers that involve computing.	○	○	○	○	○
I would like to take courses in computing.	○	○	○	○	○
The skills in this study will be useful in my life.	○	○	○	○	○
The skills in this study will be useful in my career.	○	○	○	○	○
I know how to use programming to communicate with others.	○	○	○	○	○

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
I know how to use programming to communicate with programmers.	○	○	○	○	○

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fs3 conditions

One of the following two questions is applicable to your experience. Please answer the one that applies by starting your response with "1) " or "2) ".

1
If all puzzles presented the same palette(s) and types of feedback, how did your increasing familiarity with the format help you sharpen focus on learning the CT concept?

2
If the presentation of palette(s) and/or types of feedback varied across puzzles, how did your increasing familiarity with the CT concept help you overcome decremental support from the learning system?

One of the following two questions is applicable to your experience. Please answer the one that applies by starting your response with "1) " or "2) " or "3) ".

1

If you encountered when solving each puzzle only one block palette, what advantages did this offer when solving puzzles, and what challenges in learning the CT concept might you anticipate experiencing if blocks were instead organized across palettes representing various categories?

2

If you encountered when solving each puzzle only multiple palettes and never had available just one, what challenges in learning the CT concept did this present, and what advantages might be offered by presenting all of the needed blocks in a single palette?

3

If you encountered when solving puzzles some with one palette and some with multiple palettes, please compare the experiences by describing any preference between the two types and the extent to which the combination of the two in some way facilitated learning the CT concept.

One of the following two questions is applicable to your experience. Please answer the one that applies by starting your response with "1) " or "2) ".

1

If you did not encounter when solving any of the puzzles orange and purple guidance and objective feedback with dynamically enabled/disabled blocks, how could the green/red feedback on the correct/incorrect placement of blocks be improved to facilitate learning the CT concept without making puzzle solving too simple?

2

If you encountered when solving any of the puzzles orange and purple guidance and objective feedback with dynamically enabled/disabled blocks, how could that feedback be improved to facilitate learning the CT concept without making puzzle solving too simple?

Block 5

One of the following two questions is applicable to your experience. Please answer the one that applies.

1

If you received feedback after each move during puzzle play, how did you respond when the feedback did not verify your move was correct?

2

If you did not receive feedback after each move during puzzle play, how did you attempt to verify whether you made the correct move?

One of the following two questions is applicable to your experience. Please answer the one that applies.

1

If your Parsons palette was purple as described in the puzzle instructions, how might you change the Parsons palette or its organization to make learning more efficient?

2

If your Parsons palette was grey as described in the puzzle instructions, how might you change the other enabled palettes or their organization to make learning more efficient?

One of the following two questions is applicable to your experience. Please answer the one that applies.

1

If you encountered enabled blocks that were not part of the puzzle solution, how did they impact your learning of the computational thinking concept conditionals?

2

If all of the enabled blocks you encountered were part of the puzzle solution, how might your approach to solving puzzles change if some blocks presented were not part of the solution?

CT Learning Outcome fs3

For the following statements, please indicate how true each is for you after the learning experience.

	Not at all true (1)	2	3	Somewhat true (4)	5	6	Very true (7)
I would recommend that children in my family learn Computational Thinking	○	○	○	○	○	○	○
I would advocate for Computational Thinking to be taught in schools	○	○	○	○	○	○	○
I would recommend children in my family attend a CT camp or after-school program	○	○	○	○	○	○	○
I would be able to offer help to a child learning CT	○	○	○	○	○	○	○
I have ideas for how I might use Computational Thinking at work	○	○	○	○	○	○	○
I would ask an employer for CT training	○	○	○	○	○	○	○
I believe I could successfully learn computational thinking	○	○	○	○	○	○	○

	Not at all true (1)	2	3	Somewhat true (4)	5	6	Very true (7)
I am interested in learning more about computational thinking	○	○	○	○	○	○	○

If you believe children should be required to learn computational thinking, what age should they start and why? If instead you believe children should not be required to learn computational thinking, is there another new subject you believe should be required instead, or another existing one that should be emphasized more (please specify)?

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Block 7

What do you find most frustrating about the computational thinking learning experience?

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How might you change the learning environment to make it more efficient or effective for learning computational thinking?

What did you like best about the computational thinking learning experience?

If you encountered difficulty during this experiment, have ideas for improvement, or otherwise would like to share comments, please do so in the field below.

RandomID

Here is your code: ${e://Field/RandomID}

Copy this value to paste it into Mechanical Turk.

When you have copied this code, **please click the next button to submit your survey**.

If you encountered difficulty during this experiment, have ideas for improvement, or otherwise would like to share comments, please do so in the field below.

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