

Student Questionnaire: Pretest

Please use the 7-point scale to indicate your agreement or disagreement with each statement.

		strongly disagree	disagree	neutral	agree	strongly agree	not applicable	don't know
BELIEFS								
1	Generally, I feel secure about attempting computer science.	1	2	3	4	5	N/A	DK
2	I study computer science because I know how useful it is.	1	2	3	4	5	N/A	DK
3	Knowing computer science will help me earn a living.	1	2	3	4	5	N/A	DK
4	I am sure I can do advanced work in computer science.	1	2	3	4	5	N/A	DK
5	Generally, I feel secure about attempting mathematics.	1	2	3	4	5	N/A	DK
6	I study mathematics because I know how useful it is.	1	2	3	4	5	N/A	DK
7	Knowing mathematics will help me earn a living.	1	2	3	4	5	N/A	DK
8	I am sure I can do advanced work in mathematics.	1	2	3	4	5	N/A	DK
9	Generally, I feel secure about attempting science.	1	2	3	4	5	N/A	DK
10	I study science because I know how useful it is.	1	2	3	4	5	N/A	DK
11	Knowing science will help me earn a living.	1	2	3	4	5	N/A	DK
12	I am sure I can do advanced work in science.	1	2	3	4	5	N/A	DK
13	Generally, I feel secure about attempting computational science.	1	2	3	4	5	N/A	DK
14	I study computational science because I know how useful it is.	1	2	3	4	5	N/A	DK
15	Knowing computational science will help me earn a living.	1	2	3	4	5	N/A	DK
16	I am sure I can do advanced work in computational science.	1	2	3	4	5	N/A	DK
17	I have a good understanding of what computational scientists do.	1	2	3	4	5	N/A	DK

		<i>strongly disagree</i>		<i>disagree</i>		<i>neutral</i>		<i>agree</i>		<i>strongly agree</i>		not applicable	don't know
		1	2	3	4	5						N/A	DK
18	It is clear to me how computational science is connected to other disciplines like math, sciences and computer science.												
19	Computational science is relevant to real world issues.												
20	I understand the methods of computational science.												
21	I enjoy working in groups.												
22	When I am working in a group, I am comfortable in a leadership role.												
23	When I am working in a group, I usually participate actively.												
24	When I am working in a group, I feel that I have important things to say.												
25	I feel that my contribution to group work is valued by the other members of the group.												

PART 2: Background Information

- 26** What is your age? _____
- 27** Which of the following represents your year in college?
1. First year
 2. Sophomore
 3. Junior
 4. Senior
 5. Senior +1
 6. Graduate Student
 7. Post-professional degree
- 28** What is your gender? 1. Female 2. Male

29 What is your intended major? (please choose only one)

1. Biology
2. Chemistry
3. Computer science
4. Education
5. Environmental science
6. Finance
7. Geology
8. Mathematics
9. Psychology
10. Physics
11. Other

30 What is the field of your intended career? (please choose only one)

1. Science / Engineering
2. Medical / Dental / Other Health Care
3. Teaching K-12
4. Business / Policy
5. Social sciences
6. Humanities / Arts
7. Undecided/Other

31 How many college computational science courses had you taken before this one?

1. 1 course
2. 2 courses
3. 3 courses
4. 4 or more courses
5. 0 courses

32 How many more computational science courses do you plan to take?

- | | | |
|------|--------------|------|
| 1. 1 | 4. 4 | |
| 2. 2 | 5. 5 | 7. 0 |
| 3. 3 | 6. 6 or more | |

33 How many more courses do you plan to take in math and science?

- | | | |
|------|--------------|------|
| 1. 1 | 4. 4 | |
| 2. 2 | 5. 5 | 7. 0 |
| 3. 3 | 6. 6 or more | |

34 What are the last 5 digits of your student ID number? _____