

Pre-College Annual Self-Efficacy Survey

Participant ID Number: _____

Today's Date: _____

As of today, what do you expect to do after graduating from high school? (Check one)

- | | |
|--|--|
| <input type="checkbox"/> Attend a community college | <input type="checkbox"/> Join the military |
| <input type="checkbox"/> Attend a 4-year college | <input type="checkbox"/> Stay at home |
| <input type="checkbox"/> Attend a vocational or technical school | <input type="checkbox"/> Not Sure |
| <input type="checkbox"/> Get a job | <input type="checkbox"/> Other |
| <input type="checkbox"/> Take a gap year | _____ |

How likely are you to attend school or get a job in a career related to science, math, and/or engineering?

Extremely unlikely	Unlikely	Neutral	Likely	Extremely likely
1	2	3	4	5

At this time, what type of job/careers are you interested in?

Career Choice #1 _____

Career Choice #2 _____

Career Choice #3 _____

Gendered Identity:

- | | | |
|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Male | Female | Non-binary |

Racialized Identity (check all that apply):

- | | |
|---|--|
| <input type="checkbox"/> Black/African American | <input type="checkbox"/> Latina/Latino/Hispanic American |
| <input type="checkbox"/> American Indian/Alaskan Native | <input type="checkbox"/> White American |
| <input type="checkbox"/> Asian & Pacific American | <input type="checkbox"/> Other: _____ |

In the current/next academic year, I am/will be (choose one):

- | | |
|--|---|
| <input type="checkbox"/> 7 th Grade | <input type="checkbox"/> 10 th Grade |
| <input type="checkbox"/> 8 th Grade | <input type="checkbox"/> 11 th Grade |
| <input type="checkbox"/> 9 th Grade | <input type="checkbox"/> 12 th Grade |

(Post-test only)

Number of months
participating in STEM club

List any CISTEME365-related
summer camps in which
you've participated

1. My experience of the work required in high school classes is (check one):

- ☐ It is very easy for me to get the grade I want in all my classes
- ☐ With a few exceptions, it is easy for me to get the grade I want in my classes
- ☐ I have to work some, but not all that hard to get the grade I want in my classes
- ☐ I have to work hard to get the grade I want in my classes

2. If I go to college, I expect (choose one):

- ☐ I will have to work less than I did in high school to get the grades I want
- ☐ I will have to work the same amount as I did in high school to get the grades I want
- ☐ I will have to work harder than I did in high school to get the grades I want

3. At the present time, how satisfied are you with your plans for what you will do after graduating from high school? (Circle a number from the scale below)

Very dissatisfied	Dissatisfied	Neither satisfied nor dissatisfied	Satisfied	Very satisfied
1	2	3	4	5

4. At the present time, how confident are you that you will stick to your plan? (Check one from the items below)

- ☐ Not at all confident; I am already planning to change
- ☐ Not very confident; it is highly likely that I will change
- ☐ There's about a 50% chance that I'll change
- ☐ I'm fairly confident that I will keep my current plan
- ☐ I'm very confident that I will keep my current plan

5. At the present, are you exploring other possible plans?

- ☐ Yes
- ☐ No

If so, what are the other plans you are considering? (Please list)

6. What sources of information did you use in order to decide on your current plan? (Check all that apply)

- ☐ Campus visits or university "open houses"
 - ☐ Other activities sponsored by a college or university
 - ☐ Activities sponsored by your high school
 - ☐ Employers
 - ☐ Parents
 - ☐ Other family members
 - ☐ High school teachers
 - ☐ High school counselors
 - ☐ Other (please specify)
-

7. The following is a list of college planning and career exploration activities.
Check all the activities that you have participated in at least once during the past year:

- ☐ An organized social club or sorority
- ☐ A sports team
- ☐ A program to prepare you for college or university
- ☐ A program to prepare you for a job after high school
- ☐ Another activity

☐

Another activity

Directions: For the situations described in items 8 through 11, use the numbers 1, 2, and 3 (where 1 is your first choice and 3 would be your last choice) to RANK NO MORE THAN 3 ACTIONS that best describe how you would react to the situation.

8. If I were having difficulties with one of my teachers, I would:

Rank no more than three items: (1-3)

- ☐ a. Talk to a friend (peer) about it
- ☐ b. Talk to the teacher about it
- ☐ c. Talk to an adult friend about it
- ☐ d. Talk to a parent about it
- ☐ e. Do nothing
- ☐ f. Other (please specify) _____

9. If I were having difficulties deciding what classes to choose for next semester, I would:

Rank no more than three items: (1-3)

- ☐ a. Talk to peers/friends
- ☐ b. Talk to a teacher about it
- ☐ c. Talk to an adult friend about it
- ☐ d. Talk to a parent about it
- ☐ e. Make the best decision on my own
- ☐ f. Other (please specify) _____

10. If I were on a student team and having difficulties with one or more of my team members, I would:

Rank no more than three items: (1-3)

- ☐ a. Gather the entire team and try to solve the problem
- ☐ b. Talk to classmates who aren't in my team
- ☐ c. Try to switch into another team
- ☐ d. Talk to the teacher
- ☐ e. Do the best I can to work effectively on the team
- ☐ f. Do nothing
- ☐ g. Other (please specify) _____

11. If I just found out that I had performed poorly on an exam in a class that is critical to graduate, I would:

Rank No More Than Three items: (1-3)

- ☐ a. Talk to a friend about it
- ☐ b. Talk to a teacher about it
- ☐ c. Talk to a parent about it
- ☐ d. Do nothing
- ☐ e. Other (please specify) _____

Directions:

Below are statements about studying student interested in science, technology, engineering, and mathematics(STEM). To the left of each statement indicate whether you Strongly Disagree, Slightly Disagree, Neither Disagree nor Agree, Slightly Agree, Agree, Strongly Agree, or Don't Know by circling the appropriate number.

To the right of each statement circle the appropriate number to indicate whether the statement is Very Unimportant, Unimportant, Neither Important nor Unimportant, Important, or Very Important to you in terms of completing a program in STEM.

To what extent do you AGREE? How IMPORTANT is this?

1 = Strongly Disagree
2 = Disagree
3 = Slightly Disagree
4 = Neither Disagree nor Agree
5 = Slightly Agree
6 = Agree
7 = Strongly Agree
? = Don't Know

1 = Very unimportant
2 = Unimportant
3 = Neither Important nor Unimportant
4 = Important
5 = Very Important

- | | | | |
|-----|-----------------|---|-----------|
| 12. | 1 2 3 4 5 6 7 ? | I can relate to the people around me in my classes | 1 2 3 4 5 |
| 13. | 1 2 3 4 5 6 7 ? | I think I can succeed in a STEM curriculum | 1 2 3 4 5 |
| 14. | 1 2 3 4 5 6 7 ? | I have a lot in common with the other students in my classes | 1 2 3 4 5 |
| 15. | 1 2 3 4 5 6 7 ? | Someone like me can succeed in a STEM career | 1 2 3 4 5 |
| 16. | 1 2 3 4 5 6 7 ? | The other students in my classes share my personal interests | 1 2 3 4 5 |
| 17. | 1 2 3 4 5 6 7 ? | I can succeed in a STEM curriculum while not having to give up participation in my outside interests (e.g., extracurricular activities, family, sports) | 1 2 3 4 5 |
| 18. | 1 2 3 4 5 6 7 ? | I can relate to the people around me in my extracurricular activities | 1 2 3 4 5 |
| 19. | 1 2 3 4 5 6 7 ? | I think I will succeed (earn an A or B) in my science courses | 1 2 3 4 5 |
| 20. | 1 2 3 4 5 6 7 ? | I think I will succeed (earn an A or B) in my math courses | 1 2 3 4 5 |

Directions: For each statement below indicate whether you **Strongly Disagree, Disagree, Slightly Disagree, Neither Disagree nor Agree, Slightly Agree, Agree, Strongly Agree, or Don't Know** by circling the appropriate number or symbol.

I am confident that ...	Strongly Disagree	Disagree	Slightly Agree	Neither Disagree nor Agree	Slightly Agree	Agree	Strongly Agree	Don't Know
21. I can complete the math requirements for most STEM majors	1	2	3	4	5	6	7	?
22. Doing well at math will enhance my career/job opportunities	1	2	3	4	5	6	7	?
23. A degree in a STEM field will allow me to obtain a well paying job	1	2	3	4	5	6	7	?
24. I can excel in STEM	1	2	3	4	5	6	7	?
25. I will be treated fairly on the job. That is, I expect to be given the same opportunities for pay raises and promotions as my fellow workers if I enter engineering	1	2	3	4	5	6	7	?
26. I can complete a STEM degree	1	2	3	4	5	6	7	?
27. I can cope with not doing well on a test	1	2	3	4	5	6	7	?
28. A degree in a STEM field will give me the kind of lifestyle I want	1	2	3	4	5	6	7	?
29. I can make friends with people from different backgrounds and/or values	1	2	3	4	5	6	7	?
30. Doing well at math will increase my sense of self-worth	1	2	3	4	5	6	7	?
31. I will feel "part of the group" on my job if I enter engineering	1	2	3	4	5	6	7	?
32. I can complete the science requirements for most STEM majors	1	2	3	4	5	6	7	?
33. Taking math courses will help me to keep my career options open	1	2	3	4	5	6	7	?
34. I can cope with friends' disapproval of my chosen career	1	2	3	4	5	6	7	?
35. A degree in a STEM field will allow me to get a job where I can use my talents and creativity	1	2	3	4	5	6	7	?
36. I can cope with being the only person of my race/ethnicity in a class	1	2	3	4	5	6	7	?
37. I can adjust to life as a college or university student	1	2	3	4	5	6	7	?
38. A degree in STEM will allow me to obtain a job that I like	1	2	3	4	5	6	7	?

39. At the present time, how confident are you that you will be enrolled in a STEM major during college?

- ☐ Not at all confident; I am already planning not to pursue engineering
- ☐ There's about a 50% chance that I'll be in engineering
- ☐ I'm fairly confident that I will be in engineering then
- ☐ I'm very confident that I will be in engineering then

40. At the present time, how confident are you that you will graduate college (4-year or 2-year) with a degree in STEM? (Check one)

- ☐ Not at all confident; I am already planning not to pursue engineering
- ☐ Not confident; it is highly likely I will not complete an engineering program
- ☐ There's about a 50% chance that I'll complete an engineering program
- ☐ I'm fairly confident that I will complete an engineering program
- ☐ I'm very confident that I will complete an engineering program

41. At the present time, how confident are you that you will complete any degree in college? (Check one)

- ☐ Not at all confident; I am already planning not to attend college or to drop out of college
- ☐ Not confident; it is highly likely I will not complete any college degree
- ☐ There's about a 50% chance that I'll complete a college degree
- ☐ I'm fairly confident that I will complete a college degree
- ☐ I'm very confident that I will complete a college degree

Thank you!