Teacher Survey

for Science, Technology, Engineering, Math, and Computer Science (STEM) Teachers

Sponsored by the **Research Consortium on STEM Career Pathways**

AAPT PHYSICS EDUCATION · Girls Collaborative Project · NAPE · DESTINATION IMAGINATION · Hispanic Heritage FOUNDATION · ERCA · SRF

Your responses to these research questions are **strictly confidential**.
Your personal information will never be associated with your responses to the research questions.
They provide insight for policymakers and nonprofits that want to better serve students and support teachers. **Thank you.**

1. What subjects do you teach? (Select ALL courses that apply)

1. ○ Astronomy
2. ○ Biology / Life Sciences
3. ○ Chemistry
4. ○ Coding / Computer Programming
5. ○ Computer Science
6. ○ Construction
7. ○ Earth Sci. / Geosciences
8. ○ Engineering
9. ○ Health Care / Medical
10. ○ Manufacturing
11. ○ Mathematics
12. ○ Physics
13. ○ Other STEM Course
14. ○ Other Non-STEM Course

2. Considering the subjects you teach, do you primarily consider yourself a: (Select ALL that apply)

1. ○ STEM Teacher
2. ○ Science Teacher
3. ○ Technology Teacher
4. ○ Engineering Teacher
5. ○ Math Teacher
6. ○ Computer Science Teacher
7. ○ Health Science Teacher
8. ○ CTE Teacher
9. ○ Other

3. In general, how satisfied are you with your job as a teacher? (Select ONE)

1. ○ Very unsatisfied
2. ○ Unsatisfied
3. ○ Mixed feelings
4. ○ Satisfied
5. ○ Extremely satisfied

4. Next, think about the following aspects of your job. Rate your satisfaction with each. (Select ONE for each)

1: Very unsatisfied 2: Unsatisfied 3: Mixed feelings 4: Satisfied 5: Extremely satisfied

1.	Class size	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
2.	Autonomy	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
3.	Salary + benefits	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
4.	Technology	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
5.	Subjects I teach	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
6.	Students I teach	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
7.	Degree of testing	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
8.	Teacher collaboration	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
9.	Student engagement	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
10.	Facilities and resources	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
11.	Available planning time	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
12.	External collaboration	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
13.	Professional development	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)
14.	Support from administration	1. (V)	2. (U)	3. (M)	4. (S)	5. (E)

5. Do you regularly work a second job for pay during the school year? (Select ONE)

1. ○ Yes
2. ○ No

6. How long have you been teaching? (Select ONE)

1. ○ Less than 1 year
2. ○ 1 year to 5 years
3. ○ 6 years to 10 years
4. ○ 11 years to 20 years
5. ○ 21+ years

7. How long do you plan to continue teaching? (Select ONE)

1. ○ Less than 1 year
2. ○ 1 year to 5 years
3. ○ 6 years to 10 years
4. ○ 11 years to 20 years
5. ○ 21+ years

8. What levels of education or training have you achieved? (Select ALL that apply)

1. ○ Industry Certification / License
2. ○ Associates Degree
3. ○ Bachelor's Degree
4. ○ Graduate Certificate
5. ○ Master's Degree
6. ○ Doctoral Degree

9. What is your educational preparation for the STEM subjects you teach? (Select ONE)

1. ○ A college / graduate degree in ALL the STEM subjects I teach
2. ○ A college / graduate degree in MOST STEM subjects I teach
3. ○ A college / graduate degree in a STEM subject, but not in STEM subjects I teach
4. ○ No college / graduate degree in a STEM subject
5. ○ I do not teach STEM subjects.

10. What was your pathway to teaching STEM subjects? (Select ONE)

1. ○ Began as STEM teacher right after college
2. ○ Shifted from non-STEM to STEM teaching duties
3. ○ Became STEM teacher after non-education career
4. ○ I do not teach STEM subjects.

11. Please rate the importance of each of the following skills to students' future success: (Select ONE for each skill)

1: Extremely 2: Very 3: Important 4: Somewhat 5: Not at all

1.	Collaboration Skills	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)
2.	Communication Skills	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)
3.	Content Knowledge	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)
4.	Creative Thinking Skills	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)
5.	Critical Thinking Skills	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)
6.	Hands-on / Practical Experience	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)
7.	Highly Specialized Knowledge	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)
8.	Research Skills	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)
9.	Self Confidence	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)
10.	Project Management Skills	1. (E)	2. (V)	3. (I)	4. (S)	5. (N)

Please continue this survey on the other side

Dear Teacher: Educational Research Center of America is managing this voluntary survey for the Research Consortium on STEM Career Pathways. The personally identifiable data that you provide may be used by members of the Research Consortium on STEM Career Pathways to contact you about education-related programs and/or services that may be interesting to you. We will not share your information with marketers offering to sell you non-education-related products and services. You can opt-out of these uses at any time with an email to info@studentresearchfoundation.org. Educational Research Center of America is not affiliated with any government entity.

12. **How familiar do you feel you are with the kinds of careers available to students interested in STEM? (Select ONE)**
1. ○ Extremely 2. ○ Very 3. ○ Moderately 4. ○ Slightly 5. ○ Not at all

13. **Are you interested in learning more about the careers available to students interested in STEM? (Select ONE)**
1. ○ Yes 2. ○ No 3. ○ Not Sure

14. **Should high school teachers deliberately attempt to boost STEM career interest among students historically underrepresented in STEM careers? (Select ONE)**
1. ○ Yes 2. ○ No 3. ○ Not Sure

15. **What long-term impact do you believe that giving girls extra encouragement would have on increasing women's representation in STEM careers? (Select ONE)**
1. ○ None 2. ○ Little 3. ○ Some 4. ○ A Lot

16. **What type of community do you teach in? (Select ONE)**
1. ○ Urban 2. ○ Suburban 3. ○ Rural

17. **This year I teach the following grades: (Select ALL that apply)**
1. ○ 8th 2. ○ 9th 3. ○ 10th 4. ○ 11th 5. ○ 12th

18. **What is your gender? (Select ONE)**
1. ○ Male 2. ○ Female 3. ○ Prefer not to say

19. **For the purpose of research, what is your ethnic / racial background? (Select ALL that apply)**
1. ○ Native American / Alaskan Native
2. ○ Asian / Asian American / Pacific Islander
3. ○ Black / African American / Caribbean
4. ○ Hispanic / Latino / Latina
5. ○ Middle Eastern
6. ○ White / Caucasian
7. ○ Prefer not to respond

20. **If this survey were available to your class only online, how would it affect: (Select ONE for each)**
1: More Likely 2: Less Likely 3: Equally Likely
1. Your willingness to administer the survey in class — 1. Ⓜ 2. Ⓛ 3. Ⓔ
2. Student willingness to complete the survey in class — 1. Ⓜ 2. Ⓛ 3. Ⓔ

21. **At school, each individual in your classroom can access the internet: (Select ONE)**
1. ○ At all times 2. ○ Only sometimes 3. ○ Seldom 4. ○ Never

22. **When learning remotely, approximately what proportion of your students have reliable Internet access at all times? (Select ONE)**
1. ○ 100% 2. ○ 90% - 99% 3. ○ 75% -89% 4. ○ 50% - 74% 5. ○ 25%-49% 6. ○ Less than 25%

Please send me:
- ○ Additional surveys for my students: _____(number)
- ○ Additional surveys for another teacher: _____(name)
- ○ Information about effective solutions to increase equity in STEM education in the classroom
- ○ Information about extra-curricular programs for groups underrepresented in STEM
- ○ Information about membership to the American Association of Physics Teachers
- ○ Information about teaching Project Management

***Please provide your email address in the section below to receive the information you've requested.**

So we can share with you **interesting and helpful information** obtained from our research projects, please write your current contact information – including your email address – in the form below.

Unique 11-digit Identification Number (see letter) _____

Name _____

Title _____

High School _____

School Address _____

City _____ **State** _____ **ZIP** _____

Email Address _____ @ _____

I have replaced the teacher to whom this survey was addressed: ○ Yes ○ No

Estimated school start date in Fall 2023 _____

Thank you for supporting **STEM education research** and your students' career exploration!

Please feel free to tell your colleagues about participating in this important initiative. A summary of student and educator responses will be shared on studentresearchfoundation.org.

Please see the statement on the other side regarding our use of information.

©2022 Educational Research Center of America, a non-profit student research entity organized under the laws of the Commonwealth of Pennsylvania.