

NASA STEM Gateway Evaluation Surveys

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EVALUATION SURVEYS

1. Welcome Page & Participation Decision – Parent Survey

1. All surveys that are sent to an activity participant, (both Student and Educator) will be provided with a standardized welcome message, which contains information about the survey and their participation, the NASA Privacy Statement, and the Paperwork Reduction Act Statement

This questionnaire is part of the evaluation project for the NASA and US Department of Education 21st Century Community Learning Collaboration Phase 4. The goal of this survey is to obtain your views on parental engagement involving Science, Technology, Engineering, and Mathematics (STEM) activities and education. All information obtained is confidential. This survey is voluntary. You do not have to take the survey or answer any questions you do not want to. However, your input will be invaluable in assisting us in making sure that the content is relevant and useful to students participating in this and future out-of-school STEM educational programs. Also, your responses are confidential, meaning that your name will never be tied to your responses and no one will know how you responded to these questions.

Thank you very much for your help!

If you wish to participate in this survey, please continue.

The information that you provide us may be used to help parents talk about math and science with their child [1] There are no right or wrong answers to the questions. We would like your honest opinion on these items.

[1] This survey is a modification of items taken from the "Parental engagement in children's STEM education. Part II: Parental attitudes and motivation" and "The family-friendly Science: Increasing Family Engagement in STEM education" papers.

Privacy Notice: This is an official NASA application hosted on SurveyMonkey.com. This is not a government application, the application is controlled and operated by a third party. NASA's Web Privacy Policy does not apply to this application. NASA will not maintain, use, or share Personally Identifiable Information (PII) that becomes available through the use of this third-party application unless expressly stated and consent is obtained from the user. For additional information on NASA's Third-Party Privacy Notice please go to http://www.nasa.gov/about/highlights/HP_Privacy.html.

Paperwork Reduction Act Statement: This information collection meets the requirements of 44 U.S.C. §3507, as amended by section 2 of the Paperwork Reduction Act of 1995. You do not need to answer these questions unless we display a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 2700-0159 and expires 06/03/2021. We estimate that it will take 15 minutes to read the instructions and answer the questions. Send only comments relating to this time estimate to: richard.l.gilmore@nasa.gov.

2. Student's Parent Respondents can decide if they would like to continue on with the survey. If the respondent chooses not to participate, the system will stop the survey at this point and will prevent them from moving forward. If they choose to participate in the survey, the system will route the respondent forward to the relevant survey questions.

★ Do you agree to participate in this survey?

Select an answer choice from the list

Pick one

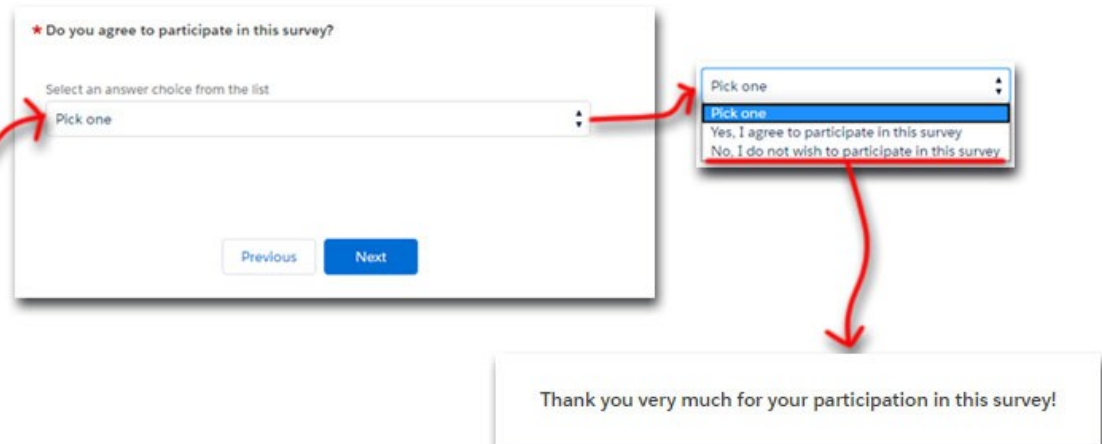
Pick one

Pick one

Yes, I agree to participate in this survey

No, I do not wish to participate in this survey

Thank you very much for your participation in this survey!



****Control Number, Expiration Date and Email Address will be updated upon approval**

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2. Parent Survey –Survey Questions

Survey respondents will answer a brief series of questions about their experience with the activity by clicking the option that best captures their response

1. What best describes your relationship with the child/children you are registering for the NASA & US Department of Education 21st Century Community Learning Collaboration Phase 4 program?

- Parent or legal guardian
- Grandparent
- Other family member(e.g. aunt, uncle, brother/sister)
- Family friend
- Other (please describe)

2. Do you wish you had more at-home resources (websites, games, activities, etc.) to engage in STEM learning with your child? If yes, please explain.

- Yes
- No
- Other (Please specify)

3. How important do you think STEM subjects are in your child's education? This scale is 1-5, with "1" indicating the least importance, and "5" indicating the most.

- Least important - 1
- Somewhat important - 2
- Important - 3
- Very important - 4
- Highly important - 5

4. How often do you and your family attend any other science resources in the community such as a science center? This scale is 1-5, with "1" indicating the least frequency and "5" indicating the most.

- Never - 1
- Once a year - 2
- Once every six months - 3
- Once a month - 4
- Once a week - 5

5. Do you or someone in your immediate family work in a STEM-related field? (e.g. engineer, scientist) If yes, please specify.

- Yes
- No
- Other (Please specify).

6. How would you rate your child's interest in the subject of science? This scale is 1-5, with "1" indicating the least interest and "5" indicating the most.

- Least interested - 1
- Somewhat interested - 2
- Interested - 3
- Very interested - 4
- Highly interested - 5
- Unsure

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7. How would you rate your child's interest in STEM-oriented subjects? This scale is 1-5, with "1" indicating the least interest and "5" indicating the most.

- Least interested - 1
- Somewhat interested - 2
- Interested - 3
- Very Interested - 4
- Highly Interested - 5
- Unsure

8. Are you satisfied with your child(ren)'s school offering of out-of-school STEM programs?

- Very satisfied
- Satisfied
- Somewhat satisfied
- Dissatisfied
- Very dissatisfied

9. Do you encourage your child(ren) to check out books from the library on STEM topics?

- Yes
- No

10. Has your child(ren) participated in science or math competitions at school or the community?

- Never participated
- 1-3 times in past year
- More than 4 times in the past year
- No competitions offered in the school or community

11. How often do you talk with your child(ren) about Science, Technology, Engineering or Math?

- Everyday
- Every other day
- Twice a week
- Less than once a week
- Never

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12. How strong is your desire to see your child someday enter a STEM-related field? This scale is 1-5, with "1" indicating the least desire, and "5" indicating the most.

- | | |
|---|--|
| <input type="radio"/> Least desire - 1 | <input type="radio"/> Very much desire - 4 |
| <input type="radio"/> Somewhat desire - 2 | <input type="radio"/> Highly desire - 5 |
| <input type="radio"/> Desire - 3 | <input type="radio"/> Unsure |

13. Why would you encourage your child to study STEM? (Select all that apply.)

- | | |
|--|--|
| <input type="radio"/> STEM topics are fun. | <input type="radio"/> STEM will open many well-paid job opportunities for adults. |
| <input type="radio"/> STEM provides an interesting way to learn about the natural world. | <input type="radio"/> STEM subjects will help students develop critical thinking skills. |
| <input type="radio"/> STEM has many everyday life applications. | <input type="radio"/> STEM courses are required courses for university admission. |
| <input type="radio"/> STEM subjects are at the core of modern innovations (cell phones, video games, computers). | <input type="radio"/> Your own profession/occupation is related to STEM and you would like your child to follow in your footsteps. |
| <input type="radio"/> STEM will open many exciting job opportunities for adults | <input type="radio"/> Other. |

14. What is the highest level of science that you studied beyond elementary school?

- I did not study science beyond elementary school (or equivalent)
- Secondary/high school science
- Undergraduate level (college or university)
- Graduate level (Master's or PhD)

15. What is the highest level of math you studied beyond elementary school?

- I did not study math beyond elementary school (or equivalent)
- Secondary/high school math
- Undergraduate level (college or university)
- Graduate level (Master's or PhD)

16. How do you feel about helping your child in their STEM education? Do you feel satisfied in your ability to help them with homework, talk to them about science and math concepts, etc.? Keep in mind that this survey is anonymous, and any response is welcomed. This scale is 1-5, with "1" indicating the least amount of satisfaction, and "5" indicating the most.

- | | |
|--|--|
| <input type="radio"/> Least satisfied - 1 | <input type="radio"/> Very satisfied - 4 |
| <input type="radio"/> Somewhat satisfied - 2 | <input type="radio"/> Highly satisfied - 5 |
| <input type="radio"/> Satisfied - 3 | <input type="radio"/> Unsure |

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17. How often do you do any STEM-related activities at home? These could include science kits, building with blocks/Legos, or STEM-related puzzles and board games. This scale is 1-5, with "1" indicating the least frequency, and "5" indicating the most.

- Never - 1
- Once a month - 2
- Once a week - 3
- Once a day - 4
- More than once a day - 5
- Unsure

18. How would you rate your child's STEM education? This is scale is 1-5, with "1" indicating the poorest, and "5" indicating the best.

- Poor - 1
- Somewhat good - 2
- Good - 3
- Very good - 4
- Best - 5
- Unsure

19. What are effective ways for parents/families to encourage their children to study STEM topics? (Select all that apply.)

- Taking children to science museums, aquariums or other STEM-related events.
- Asking children about what they have been learning in their math or science classes at school.
- Helping children with their math and science homework assignments.
- Enrolling children in after-school STEM programs.
- Pointing out the role STEM plays in dealing with important societal and political issues (climate change, etc.).
- Encouraging children to watch STEM-related shows, such as Cosmos, the Animal Planet, etc.
- Accompanying children to STEM-related events such as this one.

Other (please specify)

20. How important is parental involvement in STEM education of their children?

- Very important
- Important
- Somewhat important
- It is not very important
- It is not important at all

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---Demographic Information---

21. What is your age group?

- 19 – 24 55 - 64
 25 – 34 65 - 74
 35 – 44 75+
 45 - 54

22. Are you (Select only one)?

- Female
 Male

23. Are you Hispanic or Latino/Latina?

- Yes
 No

24. What is your Race (One or more categories may be selected)?

- American Indian or Alaska Native
 Asian
 Black or African American
 Native Hawaiian or other Pacific Islander
 White or Caucasian

25. In what state is your child's program located?