

## NASA High School Survey

### NASA High School Survey

This is the NASA K-12 STEM Engagement program evaluation survey. We are hoping to learn more about your experiences in NASA programs or with learning about NASA through your teacher or other STEM program. Thank you for taking the time to complete the survey for us!

#### Privacy Act Notification:

The information you provide via this form is protected from unauthorized disclosure in accordance with the Privacy Act of 1974. It will be used by NASA for the specific purpose of implementing and evaluating STEM engagement investments. Collection of the information is authorized by the National Aeronautics and Space Act of 1958 § 403(a)(b), 42 U.S.C. § 2473 (c) (1). Provision of the requested information is strictly voluntary. NASA may disclose information to NASA administrators and managers, Office of Management and Budget officials, and members of Congress for the purposes of accountability and tracking of program and project efficiency and effectiveness. Any information released (such as statistical summaries) will be in a form that does not personally identify you.

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#### 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 09/30/2024.

For each of the statements below, choose an answer by clicking the circle next to it.

1. I have participated in a NASA program in school.

- Yes
- No
- I am not sure

2. I have participated in a NASA program outside of school.

- Yes
- No
- I am not sure

3. My teacher taught me about NASA this school year.

- Yes
- No
- I am not sure.

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## NASA High School Survey

### STEM Identity

For each of the statements below, choose an answer by clicking the circle next to it.

4. My parents think I do well in STEM.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

5. My teachers think I do well in STEM.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

6. My friends think I do well in STEM.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

7. I can envision myself working in a STEM career someday.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

8. I think I will do well in college STEM classes.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

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### STEM Self-Efficacy

For each of the statements below, choose an answer by clicking the circle next to it.

9. I am confident in my STEM abilities.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

10. I get excited about doing STEM activities.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

11. I am confident about applying new STEM ideas independently.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

12. I understand how STEM is used in careers.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

13. Other students ask me for help with STEM activities.

- Strongly disagree  Agree
- Disagree  Strongly agree
- Neither agree nor disagree

14. I earn good grades on STEM activities in school.

- Strongly disagree  Agree
- Disagree  Strongly agree
- Neither agree nor disagree


15. I understand STEM concepts we discuss in school.

- Strongly disagree  Agree
- Disagree  Strongly agree
- Neither agree nor disagree

16. I do well in school STEM activities.

- Strongly disagree  Agree
- Disagree  Strongly agree
- Neither agree nor disagree

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## NASA High School Survey

### STEM Interest

For each of the statements below, choose an answer by clicking the circle next to it.

17. I enjoy learning about new things that are STEM-related.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

18. I enjoy investigating how things work.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

19. I enjoy reading about STEM outside of school.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

20. I enjoy watching videos about STEM outside of school.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

21. I enjoy engaging in challenging STEM activities.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

22. I want to increase my STEM knowledge as much as possible.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

23. I frequently discuss STEM with friends and/or family.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |

24. I enjoy STEM problem-solving.

- |  |                                      |
|--|--------------------------------------|
| <input type="radio"/> Strongly disagree          | <input type="radio"/> Agree          |
| <input type="radio"/> Disagree                   | <input type="radio"/> Strongly agree |
| <input type="radio"/> Neither agree nor disagree |                                      |



25. I have participated in a STEM activity outside of school (camp, club, or competition).

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

26. I frequently think of STEM activities to try out.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

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### 21st Century Skills

For each of the statements below, choose an answer by clicking the circle next to it.

27. I can think of creative STEM ideas.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

28. I am able to solve STEM problems.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

29. I am able to communicate my ideas about STEM.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

30. I can use the internet to gather the information I need for a STEM activity.

Strongly disagree

Agree

Disagree

Strongly agree

Neither agree nor disagree

31. I am a good team member when I work on STEM activities in a group.

- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

32. I am able to complete a STEM project or task by its due date.

- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

33. When a STEM project or task does not go as planned, I can think of other ways to accomplish it.

- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

34. I am able to be the leader of a team working on a STEM activity.

- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

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35. What made you first become interested in STEM?

36. Do you think of yourself as someone who does well in STEM activities?

- No
- Not Sure
- Yes

37. Please explain.

38. Do you envision yourself having a career in STEM in the future?

- No
- Not Sure
- Yes

39. What kind of job do you see yourself doing in the future?

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## NASA High School Survey

Please answer the questions below if you have learned about NASA this year.

40. Please describe what you learned this about NASA in school this year.

41. Please describe what you learned about NASA outside of school this year.

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DONE

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✓ Thank you for taking the survey.