

NASA Student STEM Inventory (Grades 4-12)

This is the NASA Student STEM Inventory (Grades 4-12). We are hoping to learn more about your experiences learning about NASA through your teacher or other STEM program. Thank you for taking the time to complete the survey!

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STEM stands for Science, Technology, Engineering, and Math

1. 21st Century Skills

Choose an answer for each statement

	Disagree a lot	Disagree a little	Agree a little	Agree a lot
I am a good team member when I work in a group on a STEM project	☐	☐	☐	☐
I can finish a project by its due date	☐	☐	☐	☐
When a project does not work out, I can think of other ways to do it	☐	☐	☐	☐
I can be the leader of a team working on a project	☐	☐	☐	☐

2. STEM Identity

Choose an answer for each statement

	Disagree a lot	Disagree a little	Agree a little	Agree a lot
My parents or guardians think I am good at STEM	☐	☐	☐	☐
My teachers think I am good at STEM	☐	☐	☐	☐
My friends think I am good at STEM	☐	☐	☐	☐
Other students ask me for help with STEM projects	☐	☐	☐	☐

3. STEM Interest and Self-Efficacy

Choose an answer for each statement

	Disagree a lot	Disagree a little	Agree a little	Agree a lot
I like learning about STEM	☐	☐	☐	☐
I like to solve STEM problems	☐	☐	☐	☐
I get excited about doing STEM projects	☐	☐	☐	☐
I think of STEM things to try out	☐	☐	☐	☐

4. How often do you do STEM activities in your free time outside of your science class?

Some examples of STEM activities are:

- Coding/programming
- Robotics
- Science clubs or competitions
- Math clubs or competitions
- Nature walks, gardening, or planting seeds
- Reading about science/technology
- Building or taking things apart
- Visiting a science center, zoo, or museum

☐ never ☐ rarely (less than monthly) ☐ monthly ☐ weekly ☐ daily

5. Does an adult in your life have a STEM job?

Examples of adults in your life:

- Parents and guardians
- Family members
- Family friends
- Club leaders
- Coaches.

☐ Yes

☐ No

☐ Not sure

6. What made you first become interested in STEM?

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

8. I feel like I fit in with this NASA program.

☐ Disagree a lot

☐ Disagree a
little

☐ Agree a little

☐ Agree a lot

9. Please describe what you learned about NASA in this program.

10. What grade are you in?

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Demographics

11. What is your gender?

- ☐ Male
- ☐ Female
- ☐ Do not wish to provide

12. What is your ethnicity?

- ☐ Hispanic or Latino
- ☐ Not Hispanic or Latino
- ☐ Do not wish to provide

13. What is your race? Mark all that apply.

- | | |
|---|--|
| ☐ American Indian or Alaska Native | ☐ Native Hawaiian or other Pacific Islander |
| ☐ Asian | ☐ White |
| ☐ Black or African American | ☐ Do not wish to provide |

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Done

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