

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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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.

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	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can finish a project by its due date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When a project does not work out, I can think of other ways to do it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can be the leader of a team working on a project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My teachers think I am good at STEM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My friends think I am good at STEM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other students ask me for help with STEM projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like to solve STEM problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I get excited about doing STEM projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think of STEM things to try out	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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.

- | | |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| <input type="checkbox"/> American Indian or Alaska Native | <input type="checkbox"/> Native Hawaiian or other Pacific Islander |
| <input type="checkbox"/> Asian | <input type="checkbox"/> White |
| <input type="checkbox"/> Black or African American | <input type="checkbox"/> Do not wish to provide |

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