NASA Student STEM Inventory (Grades 4-12)

Introduction

We are interested in learning about your experiences in this NASA activity. Thank you for taking the time to complete the survey!

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 managing registrants, selecting applicants, 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; however, failure to provide the information may result in NASA's inability to provide you with the information or STEM services you desire. 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. Elaboration and conditions of information disclosure may be found under "Routine Uses" of the full System of Records Notice at https://www.govinfo.gov/content/pkg/PAI-2013-NASA/xml/PAI-2013-NASA.xml#10euda and in Appendix B at https://www.govinfo.gov/content/pkg/PAI-2013-NASA/xml/PAI-2013-NASA.xml#appb.

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.

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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 as 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?

[_____ ⬍]

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

☐ Asian

☐ Black or African American

☐ Native Hawaiian or other Pacific Islander

☐ White

☐ Do not wish to provide