Introduction

NASA Student STEM Inventory (Grades 4-12)

# 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](http://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.](http://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

# 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

# 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

## 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

## 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

## What made you ﬁrst become interested in STEM?

1. What kind of job do you see yourself doing in the future?
2. I feel like I ﬁt in with this NASA program.

 Disagree a lot  Disagree a little  Agree a little  Agree a lot

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

1. What grade are you in?

Demographics

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1. What is your gender?

 Male Female

 Do not wish to provide

## What is your ethnicity?

 Hispanic or Latino

 Not Hispanic or Latino  Do not wish to provide

## 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