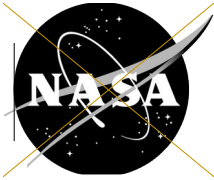


## Appendix 5: Follow-up Youth Survey





## ~~NASA/U.S. Department of Education Collaboration~~ ~~Summer of Innovation Youth Survey (Follow-up)~~

~~Last You recently summer you~~ participated in a NASA educational activity. 's ~~STEM Design Challenges in collaboration with the U.S. Department of Education~~ Summer of Innovation! To improve this ~~program activity~~ for the future, all ~~students youth~~ who ~~attended this program~~ participated are being asked to complete a survey. There are no "right" or "wrong" answers to any of the questions. We want your honest opinions. It should take about 6 minutes to complete the questions. Thank you very much for your help!

NASA and its research team follow strict rules to make sure that only they will see your answers to this and future surveys for this ~~program activity~~, except as required by law. No report will use your name or describe you in any way that could identify you.

**If you wish to participate in this survey, please continue. Return your completed survey in the self-addressed stamped envelope.**

**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 control number. The OMB control number for this collection is <insert number and expiration date>. Return your completed survey in the self-addressed stamped envelope. We estimate that it will take about 6 minutes to read the instructions, gather the facts, and answer the questions. *You may send comments on our time estimate above to:* by email to [HQ-OEIDAdmin1@mail.nasa.gov](mailto:HQ-OEIDAdmin1@mail.nasa.gov) or by mail to NASA Office of Education, 4U18, 300 E Street SW, Washington, DC, 20546-0001.

**NASA Privacy Policy** - This notice provides NASA's policy regarding the nature, purpose, use and sharing of any information collected via this form. The information you provide on a NASA-issued form will be used only for its intended purpose, which is to improve NASA's Summer of Innovation program based on participant feedback. Your responses will be made anonymous and aggregated for review by the Summer of Innovation program management. NASA will protect your information consistent with the principles of the Privacy Act, the e-Government act of

2002, the Federal Records Act, and as applicable, the Freedom of Information Act. Submitting information is strictly voluntary. By doing so, you are giving NASA (and its designated representatives) your permission to use the information for the intended purpose. If you do not want to give NASA permission to use your information, simply do not provide it. However, not providing certain information may result in NASA's inability to provide you with the information or services you desire. For additional information please visit NASA Privacy Policy and Important Notices at [http://www.nasa.gov/about/highlights/HP\\_Privacy.html](http://www.nasa.gov/about/highlights/HP_Privacy.html).

## **Tell NASA about yourself**

1. Your first name: \_\_\_\_\_ Your last name: \_\_\_\_\_

2. What is your birthday (MM/DD/YEAR)? Month: \_\_\_\_ Day: \_\_\_\_ Year: \_\_\_\_\_

[3.] What grade ~~level will did you begin enter in last~~ fall ~~2013~~2015? 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup>  
Other: \_\_\_\_\_

## **Tell NASA about your ~~Summer of Innovation~~ experience**

For questions 4 through 6, please respond in whole sentences.

[4.] What did you like best about ~~Summer of Innovation~~this NASA's ~~STEM Design Challenges~~ activity?

[5.] If you were in charge, how would you change your ~~Summer of Innovation~~NASA ~~STEM Design Challenge~~ experience?

[6.] Would you recommend that your friends participate in ~~Summer of Innovation~~this NASA 's ~~STEM Design Challenges~~activity?  Yes  No  
Please explain why or why not:

[7.] How much did participating in ~~Summer of Innovation~~this NASA 's ~~STEM Design Challenges~~activity impact you?

	Not at All	Slightly	Moderately	A Great Deal
2.1[7.1] Increased my knowledge of NASA and space	1	2	3	4
2.2[7.2] Increased my interest in studying science or engineering in college	1	2	3	4
2.3[7.3] Helped me understand science better	1	2	3	4
2.4[7.4] Led me to a better understanding of my own career goals	1	2	3	4
2.5[7.5] Made me decide to take different classes in school (including college) than I had planned	1	2	3	4

2.6[7.6] Made me more confident in my ability to succeed in science	1	2	3	4
2.7[7.7] Increased my confidence in my ability to participate in science projects or activities	1	2	3	4
2.8[7.8] Helped me connect with others who have similar interests	1	2	3	4

**Tell NASA about your science activities in and outside of school**

[8.] What science class did you most recently take? This might be the class you are currently taking. are-you currently taking?

- Science or General Science
- Life Science
- Earth Science
- Physical Science
- Integrated or Coordinated Science
- Other science course
- I don't know
- None *Skip to Question 10.*

[9.] How much do you agree or disagree with the following statements about your most recent current- science class?

	Never	Rarely	Sometimes	Often
2.9[9.1] I enjoy this class very much	1	2	3	4
2.10[9.2] I think this class is a waste of my time	1	2	3	4
2.11[9.3] I think this class is boring	1	2	3	4

[10.] Which of the following activities are-did you participating-participate in during your most recent this school year (20143-20154)? This might be the current school year. Check all that apply.

- Science club
- Science competition
- Science camp or after-school activity, not including Summer of Innovationa NASA activityNASA's STEM Design Challenges
- Science study groups or a program where you were tutored in science
- None of these

[11.] Since ~~you began you~~ participated ~~ed~~ in the ~~Summer of Innovation~~ NASA STEM Design Challenges activity, how often have you done the following science activities?

Activity	Never	Rarely	Sometimes	Often
2.12[11.1] Read science books and magazines	1	2	3	4
2.13[11.2] Access web sites for computer technology information	1	2	3	4
2.14[11.3] Visit a science museum, planetarium, or environmental center	1	2	3	4
2.15[11.4] Play games or use kits or materials to do experiments or build things at home	1	2	3	4
11.5 Watch programs on TV about nature and discoveries	1	2	3	4

### **Tell NASA your opinions about science**

The next series of questions contain a number of statements about science. You will be asked what you think about these statements. There are no “right” or “wrong” answers. We just want your opinions. For this survey, the word “science” covers a broad range of topics, including space and planets, animals and plants, medicine, computer programming, and designing things like machines.

3.[12.] Please indicate the extent to which you agree or disagree with each of the following statements. Select ONE in each row.

	Strongly Disagree	Disagree	Agree	Strongly Agree
12.1 Science is something I get excited about	1	2	3	4
12.2 I like to take things apart to learn more about them	1	2	3	4
12.3 I like to participate in science projects	1	2	3	4
12.4 I'd like to get a science kit as a gift (for example, a microscope, magnifying glass, a robot, etc.)	1	2	3	4
12.5 I like to see how things are made (for example, ice-cream, a TV, an iPhone, energy, etc)	1	2	3	4

12.6 I like to watch programs on TV about nature and discoveries	1	2	3	4
12.7 I am curious to learn more about science, computers or technology	1	2	3	4
12.8 I like to work on science activities	1	2	3	4
12.9 If I have kids when I grow up, I will take them to a science museum	1	2	3	4
12.10 I would like to have a science or computer job in the future.	1	2	3	4
12.11 I want to understand science (for example, to know how computers work, how rain forms, or how airplanes fly)	1	2	3	4
12.12 I enjoy visiting science museums or zoos	1	2	3	4
12.13 I get excited about learning about new discoveries or inventions	1	2	3	4
	<b>Strongly Disagree</b>	<b>Disagree</b>	<b>Agree</b>	<b>Strongly Agree</b>
12.14 I like reading science magazines	1	2	3	4
12.15 I pay attention when people talk about recycling to protect our environment	1	2	3	4
12.16 I am curious to learn more about cars that run on electricity	1	2	3	4
12.17 I get excited to find out that I will be doing a science activity	1	2	3	4
12.18 I enjoy reading science fiction books	1	2	3	4
12.19 I like learning about science on the internet	1	2	3	4
12.20 I like online games or computer programs that teach me about science	1	2	3	4
12.21 Science is boring	1	2	3	4
12.22 I do science-related activities that are not for schoolwork.	1	2	3	4

12.23 I like science	1	2	3	4
12.24 Science is one of my favorite subjects	1	2	3	4
12.25 I take science only because I have to	1	2	3	4
12.26 I take science only because it will help me in the future	1	2	3	4
12.27 Before joining this program, I was interested in science and science-related things	1	2	3	4
12.28 Before joining this program, I participated in science activities outside of school	1	2	3	4
12.29 I like to design a solution to a problem.	1	2	3	4
12.30 I like to be part of a team that designs and builds a hands-on project.				
12.31 I'm curious to learn how to program a computer game.	1	2	3	4
12.32 I like to design and build something mechanical that works.	1	2	3	4

**Thanks for taking the time to complete this survey!**  
**Return your completed survey in the self-addressed stamped envelope.**