

Appendix E. Instruments – Student Survey (Grades 6-12 and 4-5)

Student Survey, Grades 6-12

National Aeronautics and Space Administration

www.nasa.gov



Welcome! Your teacher is using materials developed by NASA as part of a program called NASA Explorer Schools (NES). Students who participate in this program are being asked to complete this survey. There are no “right” or “wrong” answers to any of the questions. NASA wants to learn what students think of these activities and about science. We estimate that it will take about 15 minutes to complete the questions. Thank you very much for your help!

We would like you to participate in a study, but you do not have to participate. If you decide not to participate, no one will be upset with you. No one at NASA or your school will be upset. You can decide to participate and change your mind later. You can skip any questions you do not want to answer.

We will keep your answers private. No one, including your friends, parents, or teachers will see your answers. Only the researchers doing the study will see your answers.

If you have questions about the study, please contact the study director, Alina Martinez of Abt Associates Inc. at 855-646-3308 (toll-free) or email at NASAEplorerSchoolsStudy@abtassoc.com. For questions about your rights as a participant in this study, contact Teresa Doksum at the Abt Associates Inc. Institutional Review Board at 877-520-6835 (toll-free).

Consent

If you want to participate in this special study, write your name below, and turn the page to start answering questions. If you do not want to participate, do not write your name below and return the survey.

WRITE YOUR NAME

The questions on the next pages ask about your thoughts about science, technology, engineering, and math. Please respond to the best of your ability.

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. We estimate that it will take about 15 minutes to read the instructions, gather the facts, and answer the questions. **You can find additional information on this program at <http://www.nasa.gov/offices/education/programs/national/nas2/home/index.html>** You may send comments on our time estimate above to: NASAEplorerSchoolsStudy@abtassoc.com. **Please send only comments relating to our time estimate to this address, not the completed form.**

School ID XXX

1. Please indicate how much you agree with each statement below.

	Strongly Disagree	Disagree	Not sure	Agree	Strongly Agree
	1	2	3	4	5
A. Science is fun.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Everyone should learn about engineering.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. I do not do very well in math.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. I would like to belong to a science, engineering, or technology club.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Science is boring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. I think engineers are cool people.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. I really like math.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. I enjoy my science class.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. I get bored when watching science, engineering, or technology programs at home.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. I do not do very well in science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. I enjoy my math class.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L. I often think, "I cannot do this," when a science assignment seems hard.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M. I really like science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N. Engineering is fun.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
O. I dislike reading books about science, engineering or technology during school vacation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Please indicate how much you agree with each statement below.

	Strongly Disagree	Disagree	Not sure	Agree	Strongly Agree
	1	2	3	4	5
A. Science is easy for me.					
B. Math is boring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. I think scientists are cool people.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. I really like engineering.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. No matter how hard I try, I can't understand math.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Everybody should learn about math.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. I would like a summer job related to science, engineering, or technology.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. No matter how hard I try, I can't understand science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. I enjoy learning about engineering.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. I think mathematicians are cool people.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. Everybody should learn about science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P. I often think, "I cannot do this," when a math assignment seems hard.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L. Math is easy for me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M. I like looking at websites about science, engineering, or technology.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N. I usually understand what we are talking about in science.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. How much would you like to do each of the jobs below in the future?

	Really not like	Not like	Unsure	Like	Really like
	1	2	3	4	5
A. Engineer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Astronaut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Astronomer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Police Officer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Atmospheric Scientist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Chemist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Computer Systems Analyst	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. Engineering Technician	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Environmental Scientist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. Business person	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. Mathematician	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L. Meteorologist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M. Physicist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N. Lawyer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
O. Pilot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P. Planetary Geologist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Q. Technician	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**4. Which of the following NASA-related activities are you interested in?
Check all that apply.**

-
- A. Doing additional NASA activities in my classroom
- B. Having an internship at a NASA Center
- C. Talking with a NASA scientist
- D. Participating in a launch event
- E. Checking out video downlinks from the International Space Station
-
- F. Visiting a museum, science center, or planetarium
- G. Participating in a competition hosted by NASA
- H. Attending a NASA career fair
- I. Attending an after-school club or activity hosted by NASA
- J. Other (please specify):
-
- _____
-

5. What is your gender? Please check one only.

- Male
- Female

6. What is your current grade in school?

- | | |
|--|---|
| <input type="checkbox"/> 1 st | <input type="checkbox"/> 7 th |
| <input type="checkbox"/> 2 nd | <input type="checkbox"/> 8 th |
| <input type="checkbox"/> 3 rd | <input type="checkbox"/> 9 th |
| <input type="checkbox"/> 4 th | <input type="checkbox"/> 10 th |
| <input type="checkbox"/> 5 th | <input type="checkbox"/> 11 th |
| <input type="checkbox"/> 6 th | <input type="checkbox"/> 12 th |

6. What is the name of the class where you are taking this survey?

8. Are you involved in NASA activities outside your classroom?

- Yes
- No

If yes, what activities? _____

THANK YOU FOR TAKING THIS SURVEY!

Student Survey, Grades 4-5

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B. Everyone should learn about engineering.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. I do not do very well in math.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. I would like to belong to a science, engineering, or technology club.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Science is boring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. I think engineers are cool people.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. I really like math.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. I enjoy my science class.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. I get bored when watching science, engineering, or technology programs at home.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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F. Everybody should learn about math.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. I would like a summer job related to science, engineering, or technology.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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- G. Attending a NASA career fair
- H. Attending an after-school club or activity hosted by NASA
- I. Other (please specify): _____
-

4. What is your gender? Please check one only.

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5. What is your current grade in school?

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|--|---|
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| <input type="checkbox"/> 2 nd | <input type="checkbox"/> 8 th |
| <input type="checkbox"/> 3 rd | <input type="checkbox"/> 9 th |
| <input type="checkbox"/> 4 th | <input type="checkbox"/> 10 th |
| <input type="checkbox"/> 5 th | <input type="checkbox"/> 11 th |
| <input type="checkbox"/> 6 th | <input type="checkbox"/> 12 th |

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7. Are you involved in NASA activities outside your classroom?

- Yes
- No

If yes, what activities? _____

THANK YOU FOR TAKING THIS SURVEY!