NASA Internships Survey

**As a participant in NASA Internships, you have been selected to take part in a brief questionnaire to test a future survey for clarity and comprehensibility of the questions therein. Your responses to this survey are completely confidential and will not be stored with any identifying information. Thank you for your cooperation! If you wish to participate in this test survey, please continue to the next page.**

**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 XXXX-XXXX and expires XX/XX/XXXX.**

# Which site did you participate? (Select One) w 0

 Ames Research Center

 Armstrong Flight Research Center  Glenn Research Center

 Goddard Space Flight Center

 Independent Verification and Validation (IV&V) Facility  Jet Propulsion Laboratory

 Johnson Space Center  Kennedy Space Center  Langley Research Center

 Michoud Assembly Facility (MAF)  Marshall Space Flight Center

 NASA Headquarters

 NASA Shared Services Center (NSSC)  Stennis Space Center

 Wallops Flight Facility (WFF)  White Sands Complex (WSC)

 White Sands Test Facility (WSTF)

# Was your internship experience in-person or virtual? w 0

 In-person Virtual

 Hybrid (contained both in-person and virtual elements)

# What is your gender? (Select One) w 0

 Female Male

 Do not wish to provide

# What is your ethnicity? (Select One) w 0

 Hispanic or Latino

 Not Hispanic or Latino Do not wish to provide

# What is your race? (Select as many as apply). w 0

 American Indian or Alaskan Native  Asian

 Black or African American

 Native Hawaiian or Other Pacific Islander  White

 Do not wish to provide

# Do you have a disability? w 0

 Yes No

 Do not wish to provide

# Is English your first/native language? (Select One) w 0

 Yes No

 Choose not to Report

# Has at least one of your parents/guardians graduated from college? (Select One) w 0

 Yes No

Do not wish to provide

# What is your current grade level in school? (Select One) w 0

 High School Freshman  High School Sophomore  High School Junior

 High School Senior  College Freshman  College Sophomore  College Junior

 College Senior  Graduate Program

 Do not wish to provide  Other (please specify)

# Have you ever received or are you eligible for a Pell Grant (needs based) at your university? (Select One)

w 0

 Yes No

 Do not wish to provide

Not applicable (I am not a college student)

# When in high school, are/were you able to receive free lunch?(Select One) w 0

 Yes No

 Do not wish to provide  Other (please specify)

# Where is/was your high school located? (Select One) w 0

 Urban Rural

 Suburban

Do not wish to provide

# How often did you do each of the following in STEM classes at school over the past year? Select one per row. w 0

Not at all At least once Monthly Weekly Every day



Work with a STEM researcher or company on a real-world STEM research project

Work with a STEM

researcher on a project      of your own choosing



Design my own research or investigation based on my own question(s)

Present my STEM research to a panel of judges from a relevant industry



Interact with STEM researchers

Use laboratory procedures and tools



Identify questions or problems to investigate

Analyze data or

information and draw      conclusions



Work collaboratively as part of a team

Build or make a computer model

# How often did you do each of the following in your NASA internship program this year? Select one per row.

w 0

Not at all At least once Weekly Monthly Every day



Work with a STEM researcher or company on a real-world STEM research project

Work with a STEM

researcher on a project      of your own choosing



Design my own research or investigation based on my own question(s)

Present my STEM research to a panel of judges from a relevant industry



Interact with STEM researchers

Use laboratory procedures and tools



Identify questions or problems to investigate

Analyze data or

information and draw      conclusions



Work collaboratively as part of a team

Build or make a computer model

# How much did each of the following resources help you learn about NASA internship programs? Select one per row. w 0

Did not experience Not at all A little Somewhat Very much



NASA Internship website

NASA Internships on

Facebook, Twitter, or      other social media



NASA Internships brochure

Internship mentor     



Presentations or information shared through the internship program

Participation in the internship program

# How much did each of the following resources help you learn about STEM careers at NASA? Select one per row. w 0

Did not experience Not at all A little Somewhat Very much



NASA Internship website

NASA Internships on

Facebook, Twitter, or      other social media



NASA Internships brochure

Internship mentor     



Presentations or information shared through the internship program

Participation in the internship program

# How SATISFIED were you with the following internship program features? Select one per row. w 0

Did not experience Not at all A little Somewhat Very much



Applying or registering for the program

Other administrative tasks



Communicating with internship program organizers

Physical location of your internship activities



Variety of STEM topics available to you in the internship program

Teaching or mentoring provided during internship program activities



Direct deposit payment availability

Lunch & Learn sessions

# How much input did you have in selecting your internship research project? Select one. w 0

 I was assigned a project by my mentor.

 I worked with my mentor to design a project.

 I had a choice among various projects suggested by my mentor.

 I worked with my mentor and members of a research team to design a project.

# How often was your mentor available to you during the internship program? Select one. w 0

 Less than half the time.

 About half the time of my project.  More than half of the time.

Always available.

# To what extent did you work as part of a group or team during the internship program? Select one. w 0

 I worked alone (or along with my mentor).

 I worked with others in a shared laboratory or other space, but we worked on different projects.  I worked alone on my project and I met with others regularly for general reporting or discussion.  I worked alone on a project that was closely connected with projects of others in my group.

 I worked with a group who all worked on the same project.

# How SATISFIED were you with each of the following? Select one per row. w 0

Did not experience Not at all A little Somewhat Very much



My working relationship with my mentor

My working relationship with my group



The amount of time I spent doing meaningful research/work

The amount of time I spent with my mentor



The research experience overall

# The list bellow includes effective teaching and mentoring strategies. From the list, please indicate which strategies your mentor(s) used when working with you in the internship program: w 0

Yes – my mentor used this strategy with me No – my mentor did not use this strategy with me



Helped me become aware of STEM in my everyday life

Helped me understand

how I can use STEM to   improve my community



Used a variety of strategies to help me learn

Gave me extra support when I needed it



Encouraged me to share ideas with others who have a different backgrounds or viewpoints than I do

Allowed me to work on a team project or activity



Helped me learn or practice a variety of STEM skills

Gave me feedback to

help me improve in   STEM



Talked to me about the education I need for a STEM career

Recommended other NASA or industry programs that match my interests



Discussed STEM careers with NASA or other federal agencies

# Which of the following statements apply to your research experience in the internship? Select all that apply. w 0

I presented a talk or poster to other students or faculty.

I presented a talk or poster at a professional symposium or conference. I attended a symposium or conference.

I wrote or co-wrote a paper that was/will be published in a research journal. I wrote or co-wrote a technical paper or patent.

I will present a talk or poster to other students or faculty.

I will present a talk or poster at a professional symposium or conference. I will attend a symposium or conference.

I will write or co-write a paper that was/will be published in a research journal. I will write or co-write a technical paper or patent.

# Rate your level of agreement about your gains in the following STEM knowledge areas as a result of your participation in the internship. w 0

Strongly disagree Disagree

Neither agree or

disagree Agree Strongly agree



In depth knowledge of a STEM topic(s)

Knowledge of research processes, ethics, and rules for conduct in STEM



Knowledge of how scientists and engineers work on real problems in STEM

Knowledge of what

everyday research work      is like in STEM

# Which category best describes the focus of your internship activities? Select one. w 0

 Science Technology Engineering

 Mathematics Other (please specify)

# Rate your level of agreement with if you experienced gains in these abilities areas as a result of your participation in the internship. w 0

Strongly disagree Disagree

Neither agree or

disagree Agree Strongly agree



Creating a hypothesis or explanation that can be tested in an experiment/problem

Using my knowledge

and creativity to suggest      a solution to a problem



Making a model to show how something works

Identifying the limitations

of the methods and tools      used for collecting data



Carrying out an experiment and recording data accurately

Supporting an

explanation with STEM      knowledge



Identifying the strengths and limitations of data or arguments presented in technical or STEM texts

Presenting an argument that uses data and/or

findings from an     

experiment or investigation

# Rate your level of agreement with if you experienced gains in these skills/abilities as a result of your participation in the internship. w 0

Strongly disagree Disagree

Neither disagree or

agree Agree Strongly agree



Thinking creatively

Using my creative ideas to make a product



Thinking about how systems work and how parts interact with each other

Evaluating others'

evidence, arguments,      and beliefs



Solving problems

Communicating clearly

(written and oral) with      others



Collaborating with others effectively and respectfully in diverse teams

Accessing and evaluating information

efficiently (time) and     

critically (evaluates sources)



Analyzing media (news)

- understanding points of view in the media

Creating media products

like videos, blogs, social      media



Using technology as a tool to research, organize, evaluate, and communicate information

Adapting to change

when things do not go as      planned

# Rate your level of agreement with if you experienced gains in these areas as a result of your participation in the internship. w 0

Strongly disagree Disagree

Neither agree or

disagree Agree Strongly agree



Interest in a new STEM topic

Deciding on a path to pursue a STEM career



Sense of accomplishing something in STEM

Feeling prepared for

more challenging STEM      activities



Patience for the slow pace of STEM research

Desire to build relationships with mentors who work in STEM



Connecting a STEM topic or field to my personal values

# As a result of your internship experience, are you MORE or LESS likely to engage in the following activities in STEM outside of school requirements or activities? w 0

About the same

Much less likely Less likely before and after More likely Much more likely



Watch or read non-fiction STEM

Tinker (play) with a

mechanical or electrical      device



Talk with friends or family about STEM

Mentor or teach other students about STEM



Help with a community service project related to STEM

Participate in a STEM

camp, club, or      competition



Work on a STEM project or experiment in a university or professional setting

# Prior to participating in your internship, how far do you want to go in school? Select one. w 0

 Finish college (get a bachelor’s degree)  Get a master’s degree

 Get a Ph.D.

 Get another professional degree (law, business, etc.)  Other (please specify)

# After you have participated in your internship, how far do you want to go in school? Select one. w 0

 Finish college (get a bachelor’s degree)  Get more education after college

 Get a master’s degree  Get a Ph.D.

 Get a medical-related (M.D.), veterinary degree (D.V.M.), or dental degree (D.D.S.)  Get a combined M.D./Ph.D.

 Get another professional degree (law, business, etc.)

# How interested are you in participating in future NASA programs? Select one. w 0

 Not at all  A little

 Somewhat Very much

# How many jobs/careers in STEM did you learn about in your internship program? Select one. w 0

 None 1

 2

 3

 4

5 or more

# How many NASA STEM jobs/careers did you learn about in your internship program? Select one. w 0

 None 1

 2

 3

 4

5 or more

# Rate your level of agreement with with the following statements as a result of your participation in the internship. w 0

Strongly disagree Disagree

Neither agree or

disagree Agree Strongly agree



I am more confident in my STEM knowledge, skills, abilities

I am more interested in participating in STEM activities outside of college requirements



I am more aware of other internship opportunities

I am more interested in

participating in other      internships



I am more interested in taking STEM classes at my college

I am more interested in

pursuing a career in      STEM



I am more aware of NASA research and careers

I have a greater appreciation of NASA



I am more interested in pursuing a STEM career with NASA

# What are the three most important ways that the internship program has helped you? w 0

1.

2.

3.

# What are three ways that the internship program should be improved for future participants? w 0

1.

2.

3.

# Please tell us about your overall satisfaction with your internship experience. w 0

1. How many minutes did it take you to read the instructions and answer the questions? w 0
2. Please indicate the level to which you agree or disagree with each statement. w 0

Neither agree or

Strongly disagree Disagree disagree Agree Strongly agree



The survey instructions were clear.

The questions were easy to understand.