NASA OSTEM Internship Program Survey

As a participant in NASA OSTEM Internship Program, you have been selected to take part in a brief questionnaire about your experiences as a NASA intern. If you wish to participate in this survey, please continue to the next page. Thank you for your cooperation!

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.

* 1. At which site did you participate? (Select one)
Ames Research Center
Armstrong Flight Research Center
Glenn Research Center
Goddard Space Flight Center
Independent Verification and Validation (IV&V)
Facility O Jet Propulsion Laboratory
Johnson Space Center
Center Kennedy Space Center
Cangley 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
()sc)
White Sands Test Facility (WSTF)

2. In which primary area of NASA work were you assigned during your internship? (Select one)
Entry, Descent, and Landing
Advanced Computing and Data
Analytics Human Space Flight Related
Areas
Spacecraft and Instrument Development and Testing
Flight Testing
Remote Sensing and Atmospheric Research
Propulsion for Both Airbreathing and Rocket/Space Systems
Communication and Navigation Systems
Aero-sciences including Computer Modeling and Test Facilities (wind tunnels, UAV ranges,
simulators) Robotic Operations
Launch Services (range, suborbital, and capabilities)
Mission Design and Concept Development
System and Fundamental Research Areas
Mission Support and Enterprise Support (facilities/center operations, financial/procurement, OCHO, legal, IT/OCIO, OCOMM, ODEO, OSTEM, safety and mission assurance, and security)
* 3. Was your internship experience in-person or virtual? (Select one)
O In-person
Virtual
Hybrid (contained both in-person and virtual elements)
* 4. What is your gender? (Select one)
Female
Male
On not wish to provide
* 5. What is your ethnicity? (Select one)
Hispanic or Latino
O Not Hispanic or
Latino Do not wish to
provide

* 6. What is your race? (Select as many as apply).
American Indian or Alaskan Native
Asian
Black or African American
Native Hawaiian or Other Pacific Islander
White
Do not wish to provide
* 7. Do you have a disability? (Select one)
○ Yes
○ No
On not wish to provide
* 8. Is English your first/native language? (Select one)
O Yes
○ _{No}
On not wish to provide
* 9. Has at least one of your parents/guardians graduated from college? (Select one)
* 9. Has at least one of your parents/guardians graduated from college? (Select one)
○ Yes
○ Yes ○ No

10. What is your current grade level in school? (Select one)	
O High school freshman	
O High school	
sophomore High	
school junior	
High school senior	
College freshman	
College sophomore	
College junior	
College senior	
Graduate	
student	
On not wish to	
provide Other (please	
specify)	

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 or reduced price lunch? (Select one) Yes No Do not wish to rovide Other (please pecify) Where is/was your high school located? (Select one) Urban Rural Suburban Do not wish to provide
Do not wish to provide Not applicable (I am not a college student) When in high school, are/were you able to receive free or reduced price lunch? (Select one) Yes No Do not wish to rovide Other (please pecify) Where is/was your high school located? (Select one) Urban Rural Suburban
Not applicable (I am not a college student) When in high school, are/were you able to receive free or reduced price lunch? (Select one) Yes No Do not wish to rovide Other (please pecify) Where is/was your high school located? (Select one) Urban Rural Suburban
When in high school, are/were you able to receive free or reduced price lunch? (Select one) Yes No Do not wish to rovide Other (please pecify) Where is/was your high school located? (Select one) Urban Rural Suburban
Yes No Do not wish to rovide Other (please pecify) Where is/was your high school located? (Select one) Urban Rural Suburban
Do not wish to rovide Other (please pecify) Where is/was your high school located? (Select one) Urban Rural Suburban
Do not wish to rovide Other (please pecify) Where is/was your high school located? (Select one) Urban Rural Suburban
rovide Other (please pecify) . Where is/was your high school located? (Select one) Urban Rural Suburban
Where is/was your high school located? (Select one) Urban Rural Suburban
. Where is/was your high school located? (Select one) Urban Rural Suburban
Urban Rural Suburban
Urban Rural Suburban
Suburban

* 14. How often did you d	lo each of the f	ollowing in STEM cla	asses at school t	aken over the pas	st year? (Select
one per row)					
	Not at all	At least once	Monthly	Mookly	Every day

		At least once	Monthly	Weekly	Every day
ork with a STEM researcher or compa	ny on a real-world re	search project			
	0	0	0	0	0
Work with a STEM researcher on a project	0	0	0	0	0
of my own choosing			_		
esign my own research or investigatio	n based on my own q	uestion(s)			
Present my STEM research to a panel of judges from a relevant industry	0	0	0	0	0
Interact with STEM researchers	0	\circ	0	0	0
Use laboratory procedures and tools	0	0	\circ	\circ	0
entify questions or problems to invest	igate	0	0	0	0
Analyze data or information and draw conclusions	0	0	0	0	0
ork collaboratively as part of a team	0	0	0	0	0
Build or make a computer model	0	0	0	0	0

researcher on a project of my own choosing asign 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 entify questions or problems to investigate Analyze data or information and draw conclusions ork collaboratively as part of a team Build or make a		Not at all	At least once	Weekly	Monthly	Every day
Use laboratory procedures and tools dentify questions or problems to investigate Analyze data or information and draw conclusions Vork collaboratively as part of a team Build or make a	Vork with a STEM researcher or co	mpany on a real-w	orld STEM research project	t		
researcher on a project of my own choosing resign 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 dentify questions or problems to investigate Analyze data or information and draw conclusions Vork collaboratively as part of a team Build or make a		0	0	0		0
Present my STEM research to a panel of judges from a relevant industry Interact with STEM researchers Use laboratory procedures and tools dentify questions or problems to investigate Analyze data or information and draw conclusions Vork collaboratively as part of a team Build or make a	researcher on a project	O	0	0	0	0
research to a panel of judges from a relevant industry Interact with STEM researchers Use laboratory procedures and tools dentify questions or problems to investigate Analyze data or information and draw conclusions Vork collaboratively as part of a team Build or make a		gation based on my	own question(s)			
research to a panel of judges from a relevant industry Interact with STEM researchers Use laboratory procedures and tools dentify questions or problems to investigate Analyze data or information and draw conclusions Vork collaboratively as part of a team Build or make a		0			0	0
Use laboratory procedures and tools dentify questions or problems to investigate Analyze data or information and draw conclusions Vork collaboratively as part of a team Build or make a	research to a panel of judges from a relevant	O	0	0	0	0
Analyze data or information and draw conclusions Work collaboratively as part of a team Build or make a	Interact with STEM researchers	0	0	0	0	0
Analyze data or information and draw conclusions Vork collaboratively as part of a team Build or make a		0	0	\circ	0	0
information and draw conclusions Vork collaboratively as part of a team Build or make a	dentify questions or problems to in	nvestigate	0	0	0	0
Build or make a	information and draw	Ō	0	0	0	0
	Vork collaboratively as part of a te	am	0	0	0	0
computer model	Build or make a computer model	O	\circ	0	0	0

	Did not experience	Not at all	A little	Somewhat	Very much
IASA Internship website		0	0	0	0
NASA Internships on					
Facebook, Twitter, or	\circ	\bigcirc	\circ	\circ	\circ
other social media NASA Internships brochure					
·		\circ	0	\circ	\circ
Internship mentor	0	0	0	0	0
	on shared through the interr	nship program			
Participation in the					
internship program	\cup	\circ	\mathcal{O}	\mathcal{O}	
row)	Did not experience	Not at all	A little	Somewhat	Very much
NASA Internship website	Did not experience	Not at all	Aillic	Somewhat	very much
NASA Internships on					
Facebook, Twitter, or	\circ	0	\circ	\circ	0
other social media NASA Internships brochure					
		\circ	0	\circ	\circ
		\sim	0	0	0
Internship mentor	\circ				
	on shared through the interr	nship program			
	on shared through the interr	nship program			
	on shared through the interr	nship program	0	0	0
Presentations or informati	on shared through the interr	nship program	0	0	0
Presentations or informati	on shared through the interr	nship program	0	0	0
Presentations or informati	on shared through the interr	nship program	0	0	0
Presentations or informati	on shared through the interr	nship program	0	0	0

Communicating with internship program organizers Variety of STEM topics available to you through the program eaching or mentoring provided during internship program activities Direct deposit		
Communicating with internship program organizers Variety of STEM topics available to you through the program eaching or mentoring provided during internship program activities Direct deposit availability Lunch and learn sessions		0
Variety of STEM topics available to you through the program reaching or mentoring provided during internship program activities Direct deposit availability Lunch and learn sessions		0
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the program reaching or mentoring provided during internship program activities Direct deposit availability Lunch and learn sessions	0	0
Direct deposit availability Lunch and learn sessions	0	0
Direct deposit availability Lunch and learn sessions	0	0
availability Lunch and learn sessions	0	0
availability Lunch and learn sessions	0	
		0
* 10. How much input did you have in selecting your internship research project		
* 10. How much input did you have in selecting your internship research project		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. * 20. How often was your mentor available to you during the internship program Less than half the time.	m? Select one.	
Less than half the time. About half the time of my project.		
More than half of the time.		
Always available.		

* 21. To what extent	did you work as pa	art of a group or to	eam during the in	ternship program?	(Select one)
O I worked alone (o	or along with my mento	r).			
O I worked with o	thers in a shared lab	oratory or other sp	ace, but we worked	on different	
projects. O I worked	l alone on my project a	and I met with others	regularly for genera	reporting or	
	ked alone on a project	that was closely co	nnected with projects	s of others in	
my group.	roup who all worked or	the same project			
	oup me an nemaa e.	. and dame projecti			
* 22. How SATISFIED v	were you with each	of the following?	(Select one per r	ow)	
My working relationship with m	Did not experience	Not at all	A little	Somewhat	Very much
working relationship with hi	y mentor	0	0	0	0
The level of appreciation	\sim	\sim	\sim	\sim	\sim
my mentor expressed towards me					
The level of interest my mentor	expressed for me and my	work			
My working relationship with my group	0	0	0	0	0
The amount of time I spent w	vith my mentor	0	0	0	0
The research experience overall	0	0	0	0	0
The focus on community building	ng with other interns and N	NASA employees			
	0	0	0	0	0
The contribution I was			_		
able to make to NASA's mission work		0			
The recruitment efforts I experie	enced to match me with a	career at NASA			
					0
My sense of belonging at NASA	O	0	0	0	0

	Yes – my mentor used this strategy with me	No – my mentor did not use this strategy with me
sed a variety of strategies to help	me learn	
		O
Gave me extra support when I needed it	0	0
Encouraged me to share ideas w	vith others who have a different backgrounds or viewpo	oints than I do
	\circ	\circ
Allowed me to work on a team project or activity	0	0
elped me learn or practice a varie	ety of skills	0
Gave me feedback to help me improve	0	0
Talked to me about the education	on I need for my career	
Recommended other NASA or industry programs that match my interests	0	0
iscussed careers with NASA or oth	ner federal agencies	
		0

24. Which of the foll	owing statements	apply to your res	earch experience in	the internship?	(Select all that
apply)					
I presented a talk	or poster to other stu	dents or faculty.			
I presented a talk	or poster at a profess	sional symposium o	r		
conference. I atte	ended a symposium or	r conference.			
I wrote or co-wro	te a paper that was/wi	ill be published in a	research		
journal. I wrote o	r co-wrote a technical	paper or patent.			
I will present a ta	lk or poster to other st	udents or faculty.			
I will present a ta	lk or poster at a profes	ssional symposium (or		
conference. I will	attend a symposium o	or conference.			
I will write or co-v	vrite a paper that was/	/will be published in	a research		
	e or co-write a technic				
* 25. Rate your level of	agreement about	your gains in the	following content kn	owledge areas	as a result of
your participation in the	e internship. (Selec	t one per row)			
	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
In depth knowledge of a topi	ic(s)	0	0	0	0
Knowledge of research processes, ethics, and					
rules for conduct in research	0	0	\circ	0	0
rules for conduct in	d engineers work on real	problems	0	0	O
rules for conduct in research	d engineers work on real	problems	0	0	0
rules for conduct in research		problems	000	0	0
rules for conduct in research Knowledge of how scientists an Knowledge of what everyday research work		problems	0	0	0
rules for conduct in research Knowledge of how scientists an Knowledge of what everyday research work		problems	0	0	0
rules for conduct in research Knowledge of how scientists an Knowledge of what everyday research work		problems		0	0
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rules for conduct in research Knowledge of how scientists an Knowledge of what everyday research work		problems			
rules for conduct in research Knowledge of how scientists an Knowledge of what everyday research work		problems			

	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
Creating a hypothesis or exp	lanation that can be tested	d in an experiment/p	problem		
	0	0	0	0	0
Using my knowledge and creativity to suggest a solution to a problem	Ō	0	0	0	0
sking a model to show how s	omething works	0	0	0	0
dentifying the limitations of the methods and tools used for collecting data	O	0	0	0	0
rrying out an experiment and	d recording data accurately	·	•	0	0
Supporting an explanation with my explanation with my	0	0	0	0	0
entifying the strengths and li	mitations of data or argum	ents presented in te	chnical texts		
	0	0	0	0	0
Presenting an argument hat uses data and/or indings from an experiment or nvestigation	0	0	0	0	0

	Ctronaly dispers	Diocerco	Neither disagree or	A	Cinamal:
Thinking creatively	Strongly disagree	Disagree	agree	Agree	Strongly agree
Using my creative					
ideas to make a	\circ	\circ	\circ	\circ	\circ
ninking about how systems worl	k and how parts interact	with each other			
	0	\circ	0	0	0
product					
Evaluating others'					
evidence, arguments,	0	\circ	\circ	\circ	\circ
and beliefs olving problems					
Communicating clearly (written and oral) with	0	\bigcirc	0	\bigcirc	\bigcirc
others)		Ü		
ollaborating with others effectiv	ely and respectfully in d	iverse teams			
	\circ	\bigcirc	\circ	\circ	\circ
Accessing and					
evaluating information efficiently (time) and	\circ	\circ	\circ	\bigcirc	\cap
critically (evaluates					
sources)					
nalyzing media (news) ınderstanding points of view in	the media				
Creating media products					
like videos, blogs, social	\circ	\circ	\circ	\odot	\circ
media sing technology as a tool to rese	earch, organize, evaluate	e, and communicate in	formation		
	, 5 , ,				
	\circ	\circ	\circ	\circ	
Adapting to change					
when things do not go as	\circ	\bigcirc	\circ	\odot	\bigcirc
planned					

	Strongly disagree	Disagree	Neither agree or disagree	Agree	Strongly agree
Interest in a new topic in m	y field	0	0	0	0
Deciding on a path to oursue a career in my	0	0	0	0	O
nse of accomplishing someti	hing in my field	0	0	0	0
Feeling prepared for more challenging activities in my field	0	0	٥	0	0
sire to build relationships w	ith mentors who work in m	ny field of study	0	0	0
Connecting a topic in my field to my personal values		0	0	0	0

M	luch less likely	Less likely	About the same before and after	More likely	Much more likely
Watch or read non-fiction STEM	0	\circ	0	0	0
inker (play) with a nechanical or electrical levice	0	0	0	0	0
k with friends or family about STI	EM (0	0	0	0
Mentor or teach other students about STEM	0	\circ	0	0	O
Help with a community service p	roject related to STE	м			
Participate in a STEM				0	\sim
amp, club, or competition	\circ	\cup			
	0	0	0	0	0

* 30. Prior to participating in your internship, how far did you want to go in school? (Select one)
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)
* 31. After you have participated in your internship, how far do you want to go in school? (Select one)
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)
* 32. How many jobs/careers did you learn about in your internship program? (Select one)
None
○1 ○ 2
\bigcirc 3
○ ₄
5 or more
* 33. How many NASA jobs/careers did you learn about in your internship program? (Select one)
None
\bigcirc_1
○ ₂
○ ₃
○ ₄
5 or more

am more interested in articipating in STEM classes at my college am more interested in articipating in other internship opportunities am more interested in articipating in other internship opportunities am more interested in articipating in other internships am more interested in taking STEM classes at my college am more interested in taking STEM classes at my college am more interested in a creer with a steep of NASA research and careers am more interested in a creer with a steep of NASA research and careers am more aware of NASA research and careers and the college of the c		Neither agree or				
thave a greater appreciation of NASA In more interested in pursuing a career with NASA In more interested in pursuing a career with NASA In Did participating in the NASA OSTEM Internship Program enable you to grow your confidence in doing		Strongly disagree	Disagree	disagree	Agree	Strongly agree
articipating in STEM civities outside of college requirements in more aware of other internship opportunities in more aware of other internship opportunities in more aware of other internship opportunities in articipating in other internships in more interested in taking STEM classes at my college in more interested in taking a career with a strEM-focused in the stream of NASA research and careers in am more aware of NASA research and careers in the stream of NASA research and careers in the stream of NASA in more interested in pursuing a career with NASA in more interested in pursuing a career with NASA ostem of NASA of the NASA of t	am more confident in my kno	owledge, skills, abilities				
articipating in STEM civities outside of college requirements an more aware of other internship opportunities and more interested in articipating in other and more interested in taking STEM classes at my college and more interested in taking STEM classes at my college and more interested in aursuing a career with a and treatment of NASA research and careers The More a greater ppreciation of NASA Did participating in the NASA OSTEM Internship Program enable you to grow your confidence in doing		0	0	0	0	0
am more interested in articipating in other chternships no more interested in taking STEM classes at my college am more interested in taking a career with a cursuing a career with NASA cursuing a career with NAS	articipating in STEM ctivities outside of	0	0	0	0	0
articipating in other Internships In more interested in taking STEM classes at my college am more interested in urusuing a career with a TEM-focused reganization Internation am more aware of NASA research and careers Internation of NASA In more interested in pursuing a career with NASA In more	n more aware of other interns	ship opportunities				
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am more interested in taking STEM classes at my college am more interested in nursuing a career with a STEM-focused organization am more aware of NASA research and careers have a greater appreciation of NASA number interested in pursuing a career with NASA Did participating in the NASA OSTEM Internship Program enable you to grow your confidence in doing		0	0	\circ	0	0
am more interested in pursuing a career with a stream of NASA research and careers Thave a greater appreciation of NASA The more interested in pursuing a career with NASA						
	n more interested in taking ST	EM classes at my college		0	0	0
thave a greater appreciation of NASA In more interested in pursuing a career with NASA In more interested in pursuing a career with NASA In Did participating in the NASA OSTEM Internship Program enable you to grow your confidence in doing						
have a greater ppreciation of NASA more interested in pursuing a career with NASA Did participating in the NASA OSTEM Internship Program enable you to grow your confidence in doing	ursuing a career with a TEM-focused	0	0	0	0	O
n more interested in pursuing a career with NASA Did participating in the NASA OSTEM Internship Program enable you to grow your confidence in doing		earch and careers				
ppreciation of NASA n more interested in pursuing a career with NASA Did participating in the NASA OSTEM Internship Program enable you to grow your confidence in doing		0	0	0	0	0
5. Did participating in the NASA OSTEM Internship Program enable you to grow your confidence in doing		0	0	0	0	0
	n more interested in pursuing	a career with NASA				
5. Did participating in the NASA OSTEM Internship Program enable you to grow your confidence in doing ork in your field? Please provide an example.		0	\bigcirc	0	0	0
6. While you were a participant in the NASA OSTEM Internship Program, did you feel like you were a part o	ork in your field? Pleas	se provide an exar	mple.			

38. What are the	e three most important ways that the internship program has helped you?
39 What are thr	ree ways that the internship program should be improved for future participants?
sor remail and an	The state of the s
40. How would	you describe your overall experience during the NASA Pathways Internship Program?
Excellent	
O Very good	
Good	
Poor	
Very poor	
ροσι	