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EVALUATION SURVEYS

1. Welcome Page and Instructions

1. Educators and Facilitators will be provided the welcome page and instructions

Instructions: As an instructor of a recently completed NASA & US Department of Education 21st Century Community Learning Collaboration Phase 4 Engineering Design Challenge (EDC) Activity, we are asking that you take part in this questionnaire to evaluate your experiences with the NASA EDC you instructed. Your answers to these questions will help us learn more about the activity, including what worked well and what we may improve on. Please complete the questions on this survey to the best of your ability. This survey is voluntary. You do not have to take the survey or answer any questions you do not want to. Also, your responses are confidential, meaning that your name will never be tied to your responses and no one will know how you responded to these questions.

We also want to validate the estimate for how long it takes to complete this survey. Therefore, we ask that you please note the time that you start this survey because we will ask at the end how long it took to complete this survey.

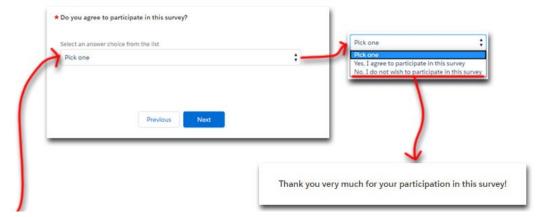
Thank you very much for your help!

If you wish to participate in this survey, please continue.

Privacy Notice: This is an official NASA application hosted on Surveymonkey.com. This is not a government application, the application is controlled and operated by a third party. NASA's [Web Privacy Policy does not apply to this application. NASA will not maintain, use, or share Personally Identifiable Information (PII) that becomes available through the use of this third-party application unless expressly stated and consent is obtained from the user. For additional information on NASA's Third-Party Privacy Notice please go to http://www.nasa.gov/about/highlights/HP Privacy.html.

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 DD/MM/YYYY. We estimate that it will take 20 minutes to read the instructions and answer the questions. Send only comments relating to this time estimate to: insertaddress@nasa.gov.

2. Student and Educator Respondents can decide if they would like to continue on with the survey. If the respondent chooses not to participate, the system will stop the survey at this point and will prevent them from moving forward. If they choose to participate in the survey, the system will route the respondent forward to the relevant survey questions.



Educator Feedback 1. Time Started.	Form (Post Impl	ementation Survey) - Survey Question
2. Enter your state's initials.		
Enter your unique identifier nun	nber (UIN).	
What is the name of the site wh	ere the NASA EDC was implemen	ited?
First, we'd like to ask some question about the		<u> </u>
Did you instruct the current NAS Parachuting onto Mars	SA EDC? (Select all that apply) Mission to Mars	Lunar Water
Why Pressure Suits? Packing up for the Moon	Space Travel Let It Glide	Astro Socks Non Applicable
Spacecraft Safety	_	
Has your site previously impleme Yes, at this site.	ented a NASA EDC? (Select One).	
No, not at this site but in other sites	in the district/community.	
No, this is our first NASA EDC at this	site and/or district/community.	
7. Have you taught a NASA EDC? (S	Gelect One)	
Yes		

Have you instructed any Parachuting onto Mars Why Pressure Suits Packing Up for the Moon Spacecraft Safety Mission to Mars Space Travel Let It Glide No, I have not instructed.		orior to this academic sch	ool year? (Select all th	nat apply).
O. How was the NASA EDC s Chosen by students Assigned to students 10. Please rate the extent to training you received on the	o which you agree wit		nts regarding the profe	essional development
	Strongly Disagree	Disagree	Agree	Strongly Agree
The training materials (i.e., facilitation guide) met my needs to successfully implement the NASA EDC.	•	0	0	0
The DoS Program Planning Tool and Training Handb my needs to successfully impleme the NASA EDC.		0	0	0
The Y4Y website and associated resources met my need to successfully implement the NASA EDC.	•	0	0	0
Overall, the training met my needs to successfully implement the NASA EDC	0	0	0	0

Next, we'd like for you to rate your comfort and knowledge level for teaching STEM topics. 11. How knowledgeable are you NOW in the following STEM topics? Somewhat Not at all Knowledgeable Slightly Knowledgeable Knowledgeable Very Knowledgeable Science Technology Engineering Mathematics 12. Next, we'd like for you to rate your comfort and knowledge level for teaching STEM topics. How comfortable were you in teaching the following STEM areas? Very Uncomfortable Slightly Uncomfortable Slightly Comfortable Very Comfortable Science Technology Engineering Mathematics 13. Next, we'd like to ask about your beliefs in your STEM teaching efficacy. Please indicate the degree to which you agree with each statement below

	Strongly Disagree	Disagree	Agree	Strongly Agree
I am continually finding better ways to teach science/engineering.	0	0	0	0
Even when I try very hard, I do not teach science/engineering as well as I do other subjects.	0	C	0	0
I know the steps necessary to teach science/engineering concepts effectively.	0	0	0	0
I am not effective in monitoring science/engineering experiments.	0	О	O	O
I generally teach science/engineering ineffectively.	0	C	0	0
I understand science/engineering concepts well enough to be effective in teaching science or engineering.	0	0	О	0
I find it difficult to explain to students why science/experiments work.	0	0	0	0
I am typically able to answer students' science/engineering questions.	0	0	0	0
I wonder if I have the necessary skills to teach science/engineering.	0	0	0	0
Given a choice, I would not invite the principal to evaluate my science/engineering teaching.	0	0	0	0

	Strongly Disagree	Disagree	Agree	Strongly Agree
When a student has difficulty understanding a science/engineering concept, I am usually at a loss to how to help the student understand it better.		0	0	•
When teaching science/engineering, I usually welcome student questions.	0	0	0	0
I do not know what to do to turn students on to science/engineering.	0	0	0	0
Did you attend a profe Yes No (Skip to #16)	isk you about your experience essional development training the professional developmen the NASA EDC.	(? (Select one)		
16. Did you follow the Strongly Disagree	training protocols/guidelines	in implementing the NAS	A EDC? Select One.	
Disagree				

23. Do you have a teaching experience/background in STEM?
Yes (Teaching math/science, STEM-related careers, etc.)
No No
24. How long have you taught STEM-related classes?
Never
O to 1 year
1 to 5 years
5 to 10 years
Over 10 years
25. Next, we'd like to ask you about your experiences with the NASA EDC professional development webinars.
Please rate the extent to which you agree with the following statement:
The webinar(s) met my needs to successfully implement the NASA EDC.
Strongly Disagree
Disagree
Agree
Strongly Agree
Not Applicable
26. Did you attend a professional development webinar? (Select one).
○Yes
○ No
27. What suggestions do you have for successfully implementing the NASA EDC in the future (e.g., changes in training,
content, structure, etc.)?
28. Please describe any challenges you had implementing the NASA EDC.
29. Do you have any additional comments or feedback on the instructions, questions, or survey navigation?

30. Next, we'd like to ask you about your experiences with student attendance. How many sessions [in days] did it take for you to deliver the NASA EDC content?
31. How long [minutes] did a typical NASA EDC session take?
32. Enter the total number of students' gender participation.
Female
Male
Total Number of Students
33. Enter the total number of students by grade level at the beginning of implementation.
3 rd graders Other grades
4th graders 7th graders
5th graders 8th graders
34. Enter the total number of students who completed 80 percent of more of the NASA EDC by the end of implementation.
3 rd graders 6 th graders Other grades
4 th graders 7 th graders
5 th graders 8 th graders
35. To the best of your knowledge, what were the reasons why students stopped attending and participating in the NASA EDC.
Facilitator Confidence
We would like you to share with us how confident you are instructing and motivating students NOW following the Professional
Development Training in the NASA and U.S. Department of Education 21st Century Learning Centers Of-School-Time 21st CCLC. As a facilitator, we would like you to rate how confident you are in achieving the following by indicating a probability of success
from 0 (no chance) to 100 (complete certainty). You may assign ANY number between 0 and 100 as your probability. Rate how
confident you are in achieving the following by indicating a probability of success from 0 (no chance) to 100 (complete certainty) on the following questions.
86. I amconfident that I can facilitate the use of the Engineering Design Process to support youth learning.

37. I amconfident that I can facilitate the use of Subject Matter Experts to support youth learning.	
38. I am confident that I can use the Supporting Science Investigation Exercises to promote youth critical thir and problem-solving strategies.	nking
39. I amconfident that I can use the Engineering Design Challenges to promote youth critical thinking and prosplying strategies.	oblem-
40. I amconfident that I can use the Engineering Design Process to promote youth critical thinking and probsolving strategies.	lem-
41. I amconfident that I can teach the Engineering Design Process to youth.	
42. I amconfident that I can assist youth in understanding real-world applications of STEM-related technolo	gies.
43. I amconfident that I can keep youth engaged and motivated to complete the Engineering Design Process	lessons
44. I amconfident that I can assist youth in learning and/or applying basic science, mathematics, technology and/or engineering concepts and skills necessary to complete the Engineering Design Challenges.	
45. I amconfident that I can encourage positive youth attitudes towards Science, Technology, Engineering, a Mathematics.	ind
46. I amconfident that I can assist youth who are having trouble mastering specific Engineering Design Procedements.	ess
47. I amconfident that I can explain the importance of using the Engineering Design Process elements in education.	

48. I amconfident that I can help youth determine what modifications are needed for them to successfully
complete an Engineering Design Challenge.
49.1 amconfident that I can encourage youth to pursue careers in Science, Technology, Engineering and
Mathematics.
50. I amconfident that I can encourage youth to see the value of learning Science, Technology, Engineering and Mathematics.
Mathematics.
51. Did you train others at your site to the lead the course?
Yes
No No
52. Time Finished

Thank you for participating in this survey!