Appendix C. Instruments—Teacher Survey (Start and End of Year)

Screenshots of programmed surveys

Word version (used for instrument development)





OMB Control No. 2700-XXXX Approval expires xx/xx/20xx

National Aeronautics and Space Administration

www.nasa.gov

Greetings,

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Participation in the study is voluntary and nonparticipation will have no impact on you or your school. You may skip questions on the survey or discontinue participation at any time. Your responses to this survey will be protected under the Privacy Act. There is minimal risk of breach of confidentiality, and we have put in place procedures in place to minimize this risk. You will never be identified by name, and your responses to this survey will be combined with other teachers' responses and reported in a summary. All information that would permit identification of individual respondents will be used only by persons engaged in and for the purposes of the survey, and will not be disclosed or released to others for any purpose except as required by law.

NASA will not have access to the individual survey responses; other researchers may have access to de-identified survey results (i.e., they will not know your identity).

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 NASAExplorerSchoolsStudy@abtassoc.com. For more information about this data collection, including OMB clearance and burden estimates, you may contact Lori Parker, NASA PRA Clearance Officer at Iori.parker-1@nasa.gov, 202-358-1351 (toll number). 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

Please click the "Continue" button below if you agree to participate in this study.

Continue



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1. Please rate how *comfortable* you are teaching each of the following content areas in your classroom.

Ve	ry uncomfortable S	omewhat uncomfortable Ne	either comfortable nor uncomforta	ble Somewhat comfortabl	e Very comfortable
Algebra	©	0	•	0	0
Astrobiology	0	0	0	0	0
Biology	0	0	0	0	0
Climate Change	0	0	0	Ō	0
Data Analysis	6	0	•	6	0
Distance Rate Problems	0	0	0	0	0
Earth and Space Science	(f)	0	©	(6)	0
Engineering or Engineering Design	0	0	0	0	0
Forces and Motion	©	0	•	©	0
Geometry and Vectors	0	٥	©	0	0
Graphing	0	0	©	0	0
Interpreting Data	0	0	0	0	0
Metabolism		0	©	0	
Microgravity	0	0	©	0	0
Newton's Laws of Motion		0		0	
Physical Science or Physics	0	0	©	0	0
Plant Biology/Botany		0		0	
Probability	0	0	©	0	0
Pythagorean Theorem	©	0	©	0	
Satellite Data or Imagery	0	0	©	0	0
Solar Energy and Radiation		0		0	
Transfer of Energy	0	0	0	0	0
Water Cycle		0	O	©	©
Weather	0	0	0	0	0

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2. Please rate how familiar you are with each of the following NES modules.

	Not familiar at all	Somewhat famil	iar Familiar \	/ery familiar Exp	ert or extremely familiar
Black Hole Math	0	0	6	0	0
Earth Climate Course	0	0	0	0	0
Engineering Design Challenge: Lunar Plant Growth Chamber	0	0	0	0	0
Engineering Design Challenge: Spacecraft Structures	0	0	0	0	0
Engineering Design Challenge: Water Filtration	•	•	0	0	0
Exploring Space Through Math: The Weightless Wonder	0	0	0	0	0
Exploring Space Through Math: Lunar Rover	0	•	6	0	0
GENESIS: Exploring Data A First Look	0	0	0	0	0
GENESIS: What Are We Made Of: The Sun, Earth, and You	0	0	0	0	0
Fingerprints of Life? Extremophiles: It's Just Right	0	0	0	0	0
Lunar Nautics: Designing a Mission to Live and Work on the Moon	0	0	0	0	0
Math and Science @ Work: Lunar Surface Instrumentation	0	0	0	0	0
MESSENGER: Cooling with Sunshades	•	•	0	0	0
MESSENGER: Staying Cool	0	0	0	0	0
My NASA Data: Solar Cell Energy Availability from Around the Country	0	0	0	0	0
On the Moon Educator Guide: On Target	0	0	0	0	0
On the Moon Educator Guide: Feel the Heat	0	0	0	0	0
Rockets Educator Guide: High Power Paper Rockets	0	0	0	0	0
Satellite Meteorology: Monitoring the Global Environment	0	0	0	0	0
Smart Skies: Line-up with Math	0	0	0	0	0







3. Please rate how familiar you are with each of the following NASA Now events.

	Not familiar at all	Somewhat famil	iar Familiar \	ery familiar Exp	ert or extremely familiar
NASA Now: Search for Life	0	0	0	6	0
Earth Science Week: Exploring Energy	0	0	0	0	0
Flight Testing and the Global Hawk	0	0	0	0	0
Simulated Lunar Operations (SLOPE)	0	0	0	0	0
A-Train: Clouds	0	0	0	6	0
Inflatable Structures	0	0	0	0	0
A-Train: Monitoring the Earth System	0	0	0	0	0
Shuttle Engineering Challenge: Guidance, Navigation, and Flight Control	0	0	0	0	0
Black Holes	0	0	0	0	©
Expedition 26	0	0	0	0	0
The Mechanics of Solar Panels	0	0	0	0	0
X-48B Research Aircraft and Green Technology	0	0	0	0	0
EPOXI Flyby Spacecraft: Close Encounters of the Comet Kind	0	0	0	6	0
Microbes @ NASA: Early Earth Ecosystems	0	0	0	0	0
Operation IceBridge	0	0	0	0	0
Path of an Astronaut	0	0	0	0	0
Suited for Spacewalking	0	0	0	6	0

Robonaut 2





				ır	

4. Approximately how many hours have you spent explor	ring the NES Virtual campus	?
5. How satisfied were you with the Virtual Campus? Pleas	se circle the number below	that best represent your opinion.
O Very unsatisfied O Somewhat unsatisfied O Neither sat	isfied nor unsatisfied OSom	newhat satisfied © Very Satisfied © Not applicable
6. Do you have any suggestions for improving the virtual	campus?	
7. Please list the name(s) of the course(s) where you plan Course name	to use NES materials, and t Grade level	he grade level(s) of students in each course.
1.		
2.		
3.		
8. Including this year, how many years have you been a c	:lassroom teacher?	
9. Including this year, how many years have you taught s	ubjects related to science to	schnology, engineering, OR mathematics?
10. What is the highest degree you have received? Please	e check only one.	
© Bachelor's		
Master's		
O Doctorate		
Other, please specify:		
11. What is your gender? Please check only one.		
© Male		
© Female		
12. Do you consider yourself to be Hispanic or Latino? Pl	ease check only one.	
© Yes		
◎ No		
13. What is your race? Please check all that apply.		
American Indian or Alaska Native		
Asian		
Black or African American		
Native Hawaiian or Other Pacific Islander		
White		
<< Back Finish		







Thank you for taking the survey.







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National Aeronautics and Space Administration

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Consent

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1. Please rate how comfortable you are teaching each of the following content areas in your classroom.

Very uncomfortable Somewhat uncomfortable Neither comfortable nor uncomfortable Somewhat comfortable Very comfortable

VC	ry unconnortable s	omewnat uncomfortable ive	itilei comfortable noi uncomfortal	ole Joillewhat connoctable	very connortable
Algebra	6	0		6	0
Astrobiology	0	0	0	0	0
Biology	0	0	0	0	0
Climate Change	0	0	Ó	0	0
Data Analysis	0	0	©	0	0
Distance Rate Problems	0	0	0	0	0
Earth and Space Science	0	0	0	0	0
Engineering or Engineering Design	0	0	(0)	0	0
Forces and Motion	0	0		6	0
Geometry and Vectors	0	0	0	0	0
Graphing	0	0	©	0	0
Interpreting Data	0	0	0	0	0
Metabolism	0	0	0	0	0
Microgravity	0	0	©	0	0
Newton's Laws of Motion	0	0	©	0	
Physical Science or Physics	0	0	©	0	0
Plant Biology/Botany	0	0	©	0	
Probability	0	0	©	0	0
Pythagorean Theorem	0	0	©	0	
Satellite Data or Imagery	0	0	©	0	0
Solar Energy and Radiation	0	0	©	0	
Transfer of Energy	0	0	©	0	0
Water Cycle	0	0	©	0	0
Weather	0	0	©	0	0

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2. Please rate how familiar you are with each of the following NES modules.

Not familiar at all	Somowhat fa	miliar Eamiliar	Vone familiar	Export or over	omoly familiar
Not familiar at all	Somewhat ta	ımıllar Famillar	verv ramiliar	expert or extre	emeiv tamiliar

Black Hole Math	0	0	6	0	0
Earth Climate Course	0	0	0	0	0
Engineering Design Challenge: Lunar Plant Growth Chamber	0	0	0	0	0
Engineering Design Challenge: Spacecraft Structures	0	0	0	0	0
Engineering Design Challenge: Water Filtration	0	0	0	0	0
Exploring Space Through Math: The Weightless Wonder	0	0	0	0	0
Exploring Space Through Math: Lunar Rover	•	0	0	0	0
GENESIS: Exploring Data A First Look	0	0	0	0	0
GENESIS: What Are We Made Of: The Sun, Earth, and You	0	0	6	0	0
Fingerprints of Life? Extremophiles: It's Just Right	0	0	0	0	0
Lunar Nautics: Designing a Mission to Live and Work on the Moon	0	0	6	0	0
Math and Science @ Work: Lunar Surface Instrumentation	0	0	0	0	0
MESSENGER: Cooling with Sunshades	0	0	0	0	0
MESSENGER: Staying Cool	0	0	0	0	0
My NASA Data: Solar Cell Energy Availability from Around the Country	0	0	0	0	0
On the Moon Educator Guide: On Target	0	0	6	0	0
On the Moon Educator Guide: Feel the Heat	0	0	6	0	0
Rockets Educator Guide: High Power Paper Rockets	0	0	0	0	0
Satellite Meteorology: Monitoring the Global Environment	0	0	0	0	0
Smart Skies: Line-up with Math	0	0	0	0	0

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3. Please rate how comfortable you are implementing each of the following NES modules in your classroom.

	Very uncomfortable	Somewhat uncomfortable	Neither comfortable nor uncomfortable	Somewhat comfortable	Very comfortable
Black Hole Math	0	0	•	0	0
Earth Climate Course	0	0	0	0	0
Engineering Design Challenge: Lunar Plant Growth Chamber	6	0	©	0	0
Engineering Design Challenge: Spacecraft Structures	0	0	0	0	0
Engineering Design Challenge: Water Filtration	0	0	©	0	0
Exploring Space Through Math: The Weightless Wonder	0	0	0	0	0
Exploring Space Through Math: Lunar Rover	0	0	©	0	0
GENESIS: Exploring Data A First Look	0	0	0	0	0
GENESIS: What Are We Made Of: The Sun, Earth, and You	0	0	©	0	0
Fingerprints of Life? Extremophiles: It's Just Right	0	0	0	0	0
Lunar Nautics: Designing a Mission to Live and Work on the Moon	©	©	©	©	0
Math and Science @ Work: Lunar Surface Instrumentation	0	©	©		0
MESSENGER: Cooling with Sunshades	©	©	©	©	0
MESSENGER: Staying Cool	0	©	©	0	0
My NASA Data: Solar Cell Energy Availability from Around the Country	0		•	0	©
On the Moon Educator Guide: On Target	0	0	©	0	0
On the Moon Educator Guide: Feel the Heat	©	0	©	0	0
Rockets Educator Guide: High Power Paper Rockets	0	0	©	0	0
Satellite Meteorology: Monitoring the Global Environment	©	0	©	0	0
Smart Skies: Line-up with Math	0	©	0	0	0

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4. Please rate how familiar you are with each of the following NASA Now events.

Not familiar at all Somewhat familiar Familiar Very familiar Expert or extremely familiar NASA Now: Search for Life Earth Science Week: Exploring Energy Flight Testing and the Global Hawk Simulated Lunar Operations (SLOPE) A-Train: Clouds (3) Inflatable Structures A-Train: Monitoring the Earth System Shuttle Engineering Challenge: Guidance, Navigation, and Flight Control Black Holes Expedition 26 The Mechanics of Solar Panels X-48B Research Aircraft and Green Technology EPOXI Flyby Spacecraft: Close Encounters of the Comet Kind Microbes @ NASA: Early Earth Ecosystems Operation IceBridge (6) Path of an Astronaut

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Robonaut 2

Continue

Suited for Spacewalking



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5. Please rate how comfortable you are in implementing each of the following NASA Now events in your classroom.

	Very uncomfortable	Somewhat uncomfortable	Neither comfortable nor uncomfortable	Somewhat comfortable	Very comfortable
NASA Now: Search for Life	0	•	•	0	0
Earth Science Week: Exploring Energy	0	0	0	0	0
Flight Testing and the Global Hawk	6	0	•	0	0
Simulated Lunar Operations (SLOPE)	0	0	0	0	0
A-Train: Clouds	0	0	©	0	0
Inflatable Structures	0	0	0	0	0
A-Train: Monitoring the Earth System	0	0	0	0	0
Shuttle Engineering Challenge: Guidance, Navigation, and Flight Control	0	0	0	0	0
Black Holes	0	0	©	0	0
Expedition 26	0	0	©	0	0
The Mechanics of Solar Panels	0	0	©	0	0
X-48B Research Aircraft and Green Technology	0	0	©	0	0
EPOXI Flyby Spacecraft: Close Encounters of the Comet Kind	0	0	©		0
Microbes @ NASA: Early Earth Ecosystems	0	0	©	0	0
Operation IceBridge	0	0	©	0	0
Path of an Astronaut	0	0	©	0	0
Suited for Spacewalking	0	0	©	0	0
Robonaut 2	0	0	©	0	0

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Continue



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6. Which NES module(s) did you use in your classroom this year? Please check all that apply:

Black Hole Math
Earth Climate Course
Engineering Design Challenge: Lunar Plant Growth Chamber
Engineering Design Challenge: Spacecraft Structures
Engineering Design Challenge: Water Filtration
Exploring Space Through Math: The Weightless Wonder
Exploring Space Through Math: Lunar Rover
GENESIS: Exploring Data A First Look
GENESIS: What Are We Made Of: The Sun, Earth, and You
Fingerprints of Life? Extremophiles: It's Just Right
Lunar Nautics: Designing a Mission to Live and Work on the Moon
Math and Science @ Work: Lunar Surface Instrumentation
MESSENGER: Cooling with Sunshades
MESSENGER: Staying Cool
My NASA Data: Solar Cell Energy Availability from Around the Country
On the Moon Educator Guide: On Target
On the Moon Educator Guide: Feel the Heat
Rockets Educator Guide: High Power Paper Rockets
Satellite Meteorology: Monitoring the Global Environment
Smart Skies: Line-up with Math



7. What is the primary subject matter of the course where you used NES materials? Please check only one for each course.
☐ General Science
General Math
■ Engineering
□ Technology
Earth Science
Biology
□ Chemistry
□ Physics
□ Algebra
Geometry
☐ Calculus
Other:
8. What are the grade levels of the students in the course(s) where you used NES materials? Please check all that apply.
■ 2
■3
4
5
□ 6
7
8
9
10
11
<u></u>
9. Approximately how many hours have you spent exploring the NES Virtual campus? Please check only one.
◎ 0-1
◎ 1-3
◎ 3-5
◎ 5-8
◎ 8-10
0 10-15
O More than 15
10. How satisfied were you with the Virtual Campus?
Overy unsatisfied Somewhat unsatisfied Neither satisfied nor unsatisfied Somewhat satisfied Very satisfied Not applicable
11. Do you have any suggestions for improving the virtual campus?

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Thank you for taking the survey.



NES START of YEAR TEACHER SURVEY National Aeronautics and Space Administration www.nasa.gov



Welcome! This survey is being conducted by Abt Associates Inc. for the National Aeronautics and Space Administration (NASA) as part of its efforts to learn about the teachers who participate in the NASA Explorer Schools (NES) program. Teachers who use NES materials in their classrooms are being asked to complete this voluntary survey. The information we receive from you will help NASA improve the NES project and understand the relationship between NES and students' interest in and understanding of science, technology, engineering, and mathematics (STEM). We estimate that it will take approximately 10 minutes to complete the survey. Thank you very much for your cooperation!

Participation in the study is voluntary and nonparticipation will have no impact on you or your school. You may skip questions on the survey or discontinue participation at any time. There is minimal risk of breach of confidentiality, and we have put in place procedures in place to minimize this risk. You will never be identified by name, and your responses to this survey will be combined with other teachers' responses and reported in a summary. All information that would permit identification of individual respondents will be used only by persons engaged in and for the purposes of the survey, and will not be disclosed or released to others for any purpose except as required by law. NASA will not have access to the individual survey responses; other researchers may have access to de-identified survey results (i.e., they will not know your identity).

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Consent

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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 10 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/nes2/home/index.html You may send comments on our time estimate above to: NASAExplorerSchoolsStudy@abtassoc.com. Please send only comments relating to our time estimate to this address, not the completed form.

1. Please rate how comfortable you are teaching each of the following content areas in your classroom.

in your classroom.			Neither		
		Somewh	comfort	Somewh	
	Very	at	able nor	at	Very
	uncomfo	uncomfo	uncomf	comfort	comfort
	rtable	rtable	ortable	able	able
	1	2	3	4	5
Algebra					
Astrobiology					
Biology					
Climate Change					
Data Analysis					
Distance Rate Problems					
Earth and Space Science					
Engineering or Engineering Design					
Forces and Motion					
Geometry and Vectors					
Graphing					
Interpreting Data					
Metabolism					
Microgravity					
Newton's Laws of Motion					
Physical Science or Physics					
Plant Biology/Botany					
Probability					
Pythagorean Theorem					
Satellite Data or Imagery					
Solar Energy and Radiation					
Transfer of Energy					
Water Cycle					
Weather					

2. Please rate how familiar you are with each of the following NES modules.

2. Please rate how familiar you are	with each		owing NE	S modules.	Ι
		Somewh			Expert or
	Not at all	at			extremel
	familiar	familiar	Familiar	Very familiar	y familiar
	1	2	3	4	5
Black Hole Math					
Earth Climate Course					
Engineering Design Challenge:					
Lunar Plant Growth Chamber					
Engineering Design Challenge:					
Spacecraft Structures					
Engineering Design Challenge:					
Water Filtration					
Exploring Space Through Math:					
The Weightless Wonder					
Exploring Space Through Math:					
Lunar Rover					
GENESIS: Exploring Data A First					
Look					
GENESIS: What Are We Made Of:					
The Sun, Earth, and You					
Fingerprints of Life? Extremophiles:					
It's Just Right					
Lunar Nautics: Designing a Mission					
to Live and Work on the Moon					
Math and Science @ Work: Lunar					
Surface Instrumentation					
MESSENGER: Cooling with					
Sunshades					
MESSENGER: Staying Cool					
My NASA Data: Solar Cell Energy					
Availability from Around the					
Country					
On the Moon Educator Guide: On					
Target					
On the Moon Educator Guide:					
Feel the Heat					
Rockets Educator Guide: High					
Power Paper Rockets					
Satellite Meteorology: Monitoring					
the Global Environment					
Smart Skies: Line-up with Math					
	I	I]	I	I

3. Please rate how familiar you are with each of the following NASA Now events.

3. Flease rate now familiar you are	With Cath	oc .o		TOTT CTCIICS	•
					Expert or
	Not at all	Somewh		Very	extremely
	familiar	at familiar	Familiar	familiar	familiar
	1	2	3	4	5
NASA Now: Search for Life					
Earth Science Week: Exploring					
Energy					
Flight Testing and the Global Hawk					
Simulated Lunar Operations					
(SLOPE)					
A-Train: Clouds					
Inflatable Structures					
A-Train: Monitoring the Earth					
System					

Background

- 4. Approximately how many hours have you spent exploring the NES Virtual campus?
- 5. How satisfied were you with the Virtual Campus? Please circle the number below that best represents your opinion.

	Somewh				
	at	Neither			
Very	unsatisfi	satisfied nor	Somewhat	Very	Not
unsatisfied	ed	unsatisfied	satisfied	satisfied	applicable
1	2	3	4	5	X

		at	Neither				
	Very	unsatisfi	satisfied nor	Somewhat	Very	Not	
	unsatisfied	ed	unsatisfied	satisfied	satisfied	applicable	
	1	2	3	4	5	X	
6.	Do you have	any sugge	stions for im	proving the v	irtual campus	s?	
	Please list the	` '		(s) where you	plan to use N	NES materials	, and the
	Course Nam	ne			Gr	ade level	
	Course Ivan						
	Course Ivan						
8.			v many years	have you bee	n a classroon	n teacher?	
9.	Including this	s year, hov	v many years	have you tauş			nce

OMB Control No. 2700-XXXX

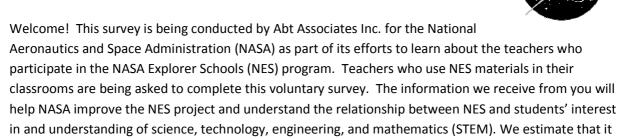
Approval expires xx/xx/20xx

10. What is the highest degree you have received?
☐ Bachelor's
☐ Master's
☐ Doctorate
Other, Please specify:
11. What is your gender? Please check one only.o Maleo Female
12. Do you consider yourself to be Hispanic or Latino? Please check one only.
o Yes o No
13. What is your race? Please check one or more.
 □ American Indian or Alaska Native □ Asian □ Black or African American □ Native Hawaiian or Other Pacific Islander □ White

NES END of YEAR TEACHER SURVEY

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will take approximately 10 minutes to complete the survey. Thank you very much for your cooperation!

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1. Please rate how $\underline{comfortable}$ you are teaching each of the following content areas in your classroom.

ciassroom.	1	1		ı	1
			Neither		
		Somewh	comfort	Somewh	
	Very	at	able nor	at	Very
	uncomfo	uncomfo	uncomf	Comfort	Comforta
	rtable	rtable	ortable	able	ble
Area	1	2	3	4	5
Algebra					
Astrobiology					
Biology					
Climate Change					
Data Analysis					
Distance Rate Problems					
Earth and Space Science					
Engineering or Engineering Design					
Forces and Motion					
Geometry and Vectors					
Graphing					
Interpreting Data					
Metabolism					
Microgravity					
Newton's Laws of Motion					
Physical Science or Physics					
Plant Biology/Botany					
Probability					
Pythagorean Theorem					
Satellite Data or Imagery					
Solar Energy and Radiation					
Transfer of Energy					
Water Cycle					
Weather					
L		1	·		1

2. Please rate how familiar you are with each of the following NES modules.

2. Please rate how <u>familiar</u> you a	re with eac		llowing I	NES modules	
		Somewh			Expert or
	Not at all	at			extremel
	familiar	familiar	Familiar	Very familiar	y familiar
	1	2	3	4	5
Black Hole Math					
Earth Climate Course					
Engineering Design Challenge: Lunar					
Plant Growth Chamber					
Engineering Design Challenge:					
Spacecraft Structures					
Engineering Design Challenge: Water					
Filtration					
Exploring Space Through Math: The					
Weightless Wonder					
Exploring Space Through Math: Lunar					
Rover					
GENESIS: Exploring Data A First Look					
GENESIS: What Are We Made Of: The					
Sun, Earth, and You					
Fingerprints of Life? Extremophiles: It's					
Just Right					
Lunar Nautics: Designing a Mission to					
Live and Work on the Moon					
Math and Science @ Work: Lunar					
Surface Instrumentation					
MESSENGER: Cooling with Sunshades					
MESSENGER: Staying Cool					
My NASA Data: Solar Cell Energy					
Availability from Around the Country					
On the Moon Educator Guide: On Target					
On the Moon Educator Guide: Feel the					
Heat					
Rockets Educator Guide: High Power					
Paper Rockets					
Satellite Meteorology: Monitoring the					
Global Environment					
Smart Skies: Line-up with Math					

3. Please rate how $\underline{\it comfortable}$ you are implementing each of the following NES modules in your classroom.

your classroom.				r	
			Neither		
		Somewh	comfort	Somewh	
	Very	at	able nor	at	Very
	uncomf	uncomfor	uncomf	comfort	comfort
	ortable	table	ortable	able	able
	1	2	3	4	5
Black Hole Math					
Earth Climate Course					
Engineering Design Challenge: Lunar Plant					
Growth Chamber					
Engineering Design Challenge: Spacecraft					
Structures					
Engineering Design Challenge: Water					
Filtration					
Exploring Space Through Math: The					
Weightless Wonder					
Exploring Space Through Math: Lunar Rover					
GENESIS: Exploring Data A First Look					
GENESIS: What Are We Made Of: The Sun,					
Earth, and You					
Fingerprints of Life? Extremophiles: It's Just					
Right					
Lunar Nautics: Designing a Mission to Live					
and Work on the Moon					
Math and Science @ Work: Lunar Surface					
Instrumentation					
MESSENGER: Cooling with Sunshades					
MESSENGER: Staying Cool					
My NASA Data: Solar Cell Energy					
Availability from Around the Country					
On the Moon Educator Guide: On Target					
On the Moon Educator Guide: Feel the Heat					
Rockets Educator Guide: High Power Paper					
Rockets					
Satellite Meteorology: Monitoring the Global					
Environment					
Smart Skies: Line-up with Math					

4. Please rate how familiar you are with each of the following NASA Now events.

4. Please rate how <u>familiar</u> you are	e with eath t		owing MAS	A NOW event	3.
		Somewh			Expert or
	Not at all	at			extremel
	familiar	familiar	Familiar	Very familiar	y familiar
	1	2	3	4	5
NASA Now: Search for Life					
Earth Science Week: Exploring Energy					
Flight Testing and the Global Hawk					
Simulated Lunar Operations (SLOPE)					
A-Train: Clouds					
Inflatable Structures					
A-Train: Monitoring the Earth System					
Shuttle Engineering Challenge:					
Guidance, Navigation, and Flight Control					
Black Holes					
Expedition 26					
The Mechanics of Solar Panels					
X-48B Research Aircraft and Green					
Technology					
EPOXI Flyby Spacecraft: Close					
Encounters of the Comet Kind					
Microbes @ NASA: Early Earth					
Ecosystems					
Operation IceBridge					
Path of an Astronaut					
Suited for Spacewalking					
Robonaut 2					

5. Please rate how $\underline{comfortable}$ you are in implementing each of the following NASA Now events in your classroom.

our classroom.					
			Neither		
		Somewh	comfort	Somewh	
	Very	at	able nor	at	Very
	uncomf	uncomfor	uncomf	comfort	comfort
	ortable	table	ortable	able	able
	1	2	3	4	5
NASA Now: Search for Life					
Earth Science Week: Exploring Energy					
Flight Testing and the Global Hawk					
Simulated Lunar Operations (SLOPE)					
A-Train: Clouds					
Inflatable Structures					
A-Train: Monitoring the Earth System					
Shuttle Engineering Challenge: Guidance,					
Navigation, and Flight Control					
Black Holes					
Expedition 26					
The Mechanics of Solar Panels					
X-48B Research Aircraft and Green Technology					
EPOXI Flyby Spacecraft: Close Encounters of the					
Comet Kind					
Microbes @ NASA: Early Earth Ecosystems					
Operation IceBridge					
Path of an Astronaut					
Suited for Spacewalking					
Robonaut 2	-		-		

$\bf 6.$ Which NES module(s) did you use in your classroom this year? Please check all that apply:

Black Hole Math
Earth Climate Course
Engineering Design Challenge:
Lunar Plant Growth Chamber
Engineering Design Challenge:
Spacecraft Structures
Engineering Design Challenge:
Water Filtration
Exploring Space Through Math:
The Weightless Wonder
Exploring Space Through Math:
Lunar Rover

GENESIS: Exploring Data
A First Look
GENESIS: What Are We Made Of:
The Sun, Earth, and You
Fingerprints of Life? Extremophiles:
It's Just Right
Lunar Nautics: Designing a Mission
to Live and Work on the Moon
Math and Science @ Work: Lunar
Surface Instrumentation
MESSENGER: Cooling with
Sunshades

MESSENGER: Staying Cool
My NASA Data: Solar Cell
Energy Availability from
Around the Country
On the Moon Educator Guide:
On Target
On the Moon Educator Guide:
Feel the Heat
Rockets Educator Guide: High
Power Paper Rockets
Satellite Meteorology:
Monitoring the Global
Environment
Smart Skies: Line-up with
Math

	What is the primary subject matter of the course where you used NES materials? ease check only one for each course.
1.1	General Science
	☐ General Math
	□ Engineering
	☐ Technology
	☐ Earth Science
	□ Biology
	☐ Chemistry
	☐ Physics
	□ Algebra
	☐ Geometry
	☐ Calculus
	Other:
8.	What are the grade levels of the students in the course(s) where you used NES materials? Please check all that apply. 1
9.	Approximately how many hours have you spent exploring the NES Virtual campus? o 0-1 o 1-3 o 3-5 o 5-8 o 8-10 o More than 15

10. How satisfied were you with the Virtual Campus? Please circle the number below that best represents your opinion.

that best represents your opinion.									
	Somewh								
	at	Neither							
Very	unsatisfi	satisfied nor	Somewhat	Very	Not				
unsatisfied	ed	unsatisfied	satisfied	satisfied	Applicable				
1	2	3	4	5	X				
1		I	I						

11. Do you have any suggestions for improving the virtual campus?

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