

PEVIEW PDF VERSION

Report must be completed online:

<https://survey.alchemer.com/s3/6613893/Earth-Space-Toolkit-2021-Report>

Explore Science - Earth & Space Toolkit 2021 Report

Thank you for participating in the NISE Network's 2021 Explore Science: Earth & Space project!

We realize that with the ongoing pandemic, 2021 has been a challenging year with much uncertainty that has affected our organizations and each of us personally. We understand that your organization may not have been using the NISE Network Explore Science: Earth & Space toolkit resources as you had originally intended before the pandemic began.

Despite these changes and uncertainty, we still ask that you **please fill out this report as best you can.**

The report asks about your public engagement efforts between January - December 2021, and then asks about your plans for 2022.

All partners receiving physical toolkits are required to report to the NISE Network about their experiences through this online survey. In turn, the NISE Network then is required to share summaries of this data with our funders.

The reporting deadline for Explore Science: Earth & Space is January 15, 2022.

As you fill out this report, if you received past Explore Science: Earth and Space toolkits from the NISE Network, please do include ways that you may have used these materials from any of the 2017, 2018, 2019, or 2020 toolkits.

- **2017, 2018, 2019, and 2020** Explore Science: Earth & Space toolkits:
<https://www.nisenet.org/earthspacekit>

Please note that two Explore Science: Earth & Space toolkits were shipped in 2020:

Part A shipped in January 2020 - this shipment included:

- Exploring Earth: Bear's Shadow
- Exploring Earth: Investigating Clouds
- Exploring the Solar System: Asteroid Mining
- Exploring the Solar System: Design, Build, Test
- Exploring the Solar System: Mission to Space
- Exploring the Universe: Nebula Spin Art
- Exploring the Universe: Orbiting Objects
- Exploring the Universe: Star Formation
- Exploring the Universe: Space Guess Quest
- Exploring Science Practice Skills: Early Explorations

Part B (including the Moon Adventure Game) shipped in December 2020 - this shipment included:

- Exploring the Solar System: Craters
- Exploring the Solar System: Moonquakes
- Exploring the Solar System: Story Blocks
- Exploring the Solar System: Observe the Moon
- Exploring Science Practice Skills: Measure Up
- Moon Adventure Game
- Accessibility and Inclusion Bundle of materials

Important Information About Filling Out the Report:

The report takes approximately 30 minutes to complete. Please note that it is NOT possible to save your work in the Alchemer (formerly SurveyGizmo) online form and return for additional edits. Reports left idle for too long will go blank when you progress to the next screen. Please plan to complete the online report in one session. You may want to write your responses in a Word doc, save, and then cut and paste that information into this report; you may download in Word Document format or PDF format from: <https://www.nisenet.org/earthspacekit-more>

If you have any questions about this report, please contact your regional hub leader: <https://www.nisenet.org/contact>

Part 1 - Contact information

1. Your Contact Information:

First Name

Last Name

Job
Title

Organization

Address 1

Address 2

City/Town

State

Alabama
Alaska
American Samoa
Arizona
Arkansas
California
Colorado

Country

United States

Zip

Email Address

Organization Website

Phone Number

2. For organizations located in States beginning with the letter A through L:

Please confirm your organization in the pull-down selection below.

Organizations are sorted alphabetically by state, then city, and organization.

If your organization is not listed, please choose "OTHER" at the bottom of the list.

3. For organizations located in States beginning with the letter M through Z:

Please confirm your organization in the pull-down selection below.

Organizations are sorted alphabetically by state, then city, and organization.

If your organization is not listed, please choose "OTHER" at the bottom of the list.

Overall Museum Attendance

4. Annual On-Site Attendance:

How many visitors did your organization reach in 2021 **at your facility**?

If you do not serve on-site visitors at your facility, please enter zero.
Please enter numbers only.

5. Annual On-Site Attendance Comments:

Please briefly describe how your organization determines annual on-site attendance.

For example, do you use ticket sales, gate entrance, program registration, visitor logs, staff estimates, or other ways to estimate?

(Limit: 300 words)

6. Annual Off-Site Attendance:

How many in-person participants did your organization reach in 2021 at locations **outside your facility**? (Not including virtual or online attendance)

If you do not serve off-site participants or do not have an estimate for the number of people served annually, please leave blank.

Please enter numbers only.

7. Annual Off-Site Attendance Comments:

Please briefly describe how your organization determines annual off-site attendance.

For example, do you use program registration, visitor logs, staff estimates, or other ways to estimate?

(Limit: 300 words)

8. Estimated Annual Virtual / Online Interactions:

How many visitors did your organization reach in 2021 **through virtual or online interactions**?

- None
- < 1,000
- 1,000 - 10,000
- 10,001 - 100,000
- 100,001 - 500,000
- 500,001 - 1,000,000
- 1,000,001 - 5,000,000
- 5,000,001 - 10,000,000
- >10,000,000
- I don't know

9. Estimated Annual Virtual / Online Interactions:

Please briefly describe how your organization estimates virtual / online interactions.

For example, do you use virtual camp registrations, Zoom attendance logs, Google Analytics, YouTube views, Facebook post views, or other ways to estimate?

(Limit: 300 words)

Toolkit Public Engagement in 2021

10. Use of Toolkit Materials in 2021

Did your organization use any Explore Science: Earth & Space toolkit materials between January - December 2021?

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020 Explore Science: Earth & Space toolkits.

- Yes
- No

11. IN PERSON Use of Toolkit Materials during 2021

How often did your organization use Earth & Space toolkit materials in-person between January - December 2021?

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020 Explore

clubs, etc.
Inc., PTA, the
Y, YWCA, etc.)

library outreach	<input type="radio"/>								
home school programs	<input type="radio"/>								
adult-only events	<input type="radio"/>								
lesson activities within college courses	<input type="radio"/>								
longer term display of materials in public spaces (e.g. within exhibits, on the museum floor, on a table)	<input type="radio"/>								
celestial events (e.g. star gazing, meteor showers, moon viewing, eclipses, etc.)	<input type="radio"/>								

12. VIRTUAL or ONLINE Use of Toolkit Materials during 2021

How often did your organization use Earth & Space toolkit materials between January - December 2021?

Virtual programming can be anything that took place online or through remote public engagement either through live streaming or pre-recorded virtual offerings.

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020 Explore Science: Earth & Space toolkits.

online exhibits, online videos, online activities and games, etc.)

Sharing content on social media (articles, information, links, etc.)

Broadcast media interviews or programs (i.e. television, radio, etc.)

13. Use of Toolkit Materials during 2021

Please briefly describe your Earth & Space in-person, virtual, or other public programming between January - December 2021. Include the types of public engagement activities you offered, and how you worked with any collaborators, and audiences reached.

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020 Explore Science: Earth & Space toolkits.

(Maximum: 300 words)

Earth & Space public engagement - audiences in 2021

14. Audiences during 2021

Please identify the underserved audiences you reached through your Earth & Space public engagement between January - December 2021.

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020 Explore Science: Earth & Space toolkits.

(Please check all that apply)

- racial and ethnic minorities / communities of color
- American Indian / Alaska Native
- girls
- low-income / lower socio-economic status
- Spanish-speaking audiences
- other non-native English speakers
- disabled / differently abled
- rural
- inner city
- at-risk youth
- other underserved audiences
-
- N/A

*

15. In-Person Attendance during 2021

Approximately how many people attended your Earth & Space events and programs in-person between January - December 2021.

Please estimate the total number of people you reached. If you held multiple types of public engagement events or activities, please try to estimate the overall attendance.

(Please enter numbers only)

16. Virtual / Online Attendance during 2021

Approximately how many people attended your Earth & Space events and programs virtually / online between January - December 2021.

Please estimate the total number of people you reached. If you held multiple types of public engagement events or activities, please try to estimate the overall attendance.

(Please enter numbers only)

17. In-person Attendance during 2021

Please briefly describe how you came up with your in-person attendance estimates.

(Maximum: 100 words)

18. Virtual / Online Attendance during 2021

Please briefly describe how you came up with your virtual / online attendance estimates.

(Maximum: 100 words)

19. Collaboration during 2021

Did you collaborate with other organizations on your Explore Science: Earth & Space public engagement between January - December 2021?

Collaborators can include:

- *one time or frequent interactions*
- *organizations that participate in public engagement at your location such as colleges, astronomy clubs, Solar System Ambassadors, volunteer groups, etc.*
- *organizations and groups that partner with you on outreach (K-12 schools, community centers, libraries, afterschool programs, etc.)*
- *organizations that participated in any virtual programming*
- *organizations that help you with professional development or training*

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020 Explore Science: Earth & Space toolkits.

- Yes
- No

20. Collaborations during 2021

How many different organizations did you collaborate with on your Explore Science: Earth & Space public engagement between January - December 2021?

For example, you would choose "6-10" if you have collaborated with a Solar System Ambassador and an astronomy club for in person programming, and with a college astronomer, a library, a Girl Scout troop, an elementary school, and an afterschool youth program for virtual programming.

- 0
- 1
- 2
- 3
- 4
- 5
- 6-10
- 11 or more

21. Collaboration

Please list the organizations with whom you collaborated on your Explore Science: Earth & Space public engagement.

(If you did not collaborate with any other organizations please write "N/A")



22. Volunteers during 2021

Please describe the volunteers that support your Earth & Space public engagement both in-person and virtually (including planning, logistics, presenting, and delivering hands-on activities) between January - December 2021.

(Please check all that apply)

- high school students
- undergraduate college students
- graduate students
- preK-12 education professionals (teacher, administrator, etc.)
- museum/informal learning education professionals (educators, program developers, etc.)
- science outreach professionals at a college or university
- Earth and space science professionals from a college or university
- Earth and space science enthusiasts or amateur astronomy club members
- NASA scientist or educator
- Solar System Ambassador
- family and/or friends of staff
- volunteers from our existing volunteer pool
- N/A we did not have any volunteers
- other - please describe

23. Number of Volunteers during 2021

Please estimate the total number of volunteers who participated in your Earth & Space public engagement for both in-person and virtual programming January - December 2021.

(Please enter numbers only)

Moon Adventure Game

24. Moon Adventure Game

The Moon Adventure Game (<https://www.nisenet.org/moongame>) shipped in December 2020 as part of the 2020 toolkit part B. In this collaborative game, players work together to solve a series of challenges grounded in real science about living and doing research on the Moon.

View a one-minute video about the game.

Please tell us how often your organization has used the Moon Adventure Game between January - December 2021.

- Never used
- Once a year
- Several times a year
- Once a month
- Once a week
- Several times a week
- Not sure
- Not applicable – our organization did not receive the 2020 toolkit

25. Moon Adventure Game estimated attendance

Please estimate how many visitors participated in the Moon Adventure Game between January - December 2021.

- None
 - 1 - 10
 - 11- 20
 - 21 - 30
 - 31 - 100
 - 101 - 150
 - 151 - 200
 - 201 - 500
 - 501 - 1,000
 - > 1,000
 - Not sure
 - Not applicable – our organization did not receive the Moon Adventure Game
-

26. IN PERSON Public Engagement Plans in 2022

How does your organization plan to use Earth & Space toolkit materials in-person in 2022?

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020 Explore Science: Earth & Space toolkits.

	Yes	No	Not sure
cart demonstrations / brief table top activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
longer museum programs (e.g. forums, classes, labs, science club)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
K-12 school outreach (e.g. classes, field trips, science fair)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
afterschool programming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
special events (e.g. space events, Earth science events, family nights, festivals)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
camps (e.g. summer camp, holiday camp, day camp)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
local youth service organizations outreach (4-H, Boys & Girls Clubs of America, Boy Scouts of America, Girl Scouts, Girls Inc., PTA, the Y, YWCA, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
library outreach	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
home school programs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
adult-only events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
lesson activities within college courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
longer term display of materials in public spaces (e.g. within exhibits, on the museum floor, on a table)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
celestial events (e.g. star gazing, meteor showers, moon viewing, eclipses, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

27. VIRTUAL or ONLINE Plans in 2022

How does your organization plan to use Earth & Space toolkit materials virtually or online in 2022?

Virtual programming can be anything that takes place online or through remote public engagement either through live streaming or pre-recorded virtual offerings.

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020

Explore Science: Earth & Space toolkits.

	Yes	No	Not sure
Online programming with educators (i.e. hands-on activities, demos, presentations, story time, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Online presentations or interviews with subject matter experts / scientists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Support for virtual pre-K to 12 school efforts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Virtual support to afterschool or out-of-school programs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Virtual events (i.e. star party, Earth Day, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Virtual camps offered by your organization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Virtual tours	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Virtual website activities (i.e. online exhibits, online videos, online activities and games, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sharing content on social media (articles, information, links, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Broadcast media interviews or programs (i.e. television, radio, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

28. Plans in 2022

Briefly describe how you plan to use any of the Explore Science: Earth & Space toolkit materials between January - December 2022.

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020 Explore Science: Earth & Space toolkits.

(Maximum: 300 words)



A Few Last Questions!

29. Impact

Please describe the overall impact the use of the Explore Science: Earth & Space toolkit materials has had on your organization across all years that you have participated.

Please base your responses on the use of any materials from any of the 2017, 2018, 2019, and 2020 Explore Science: Earth & Space toolkits.

(Maximum: 1,000 words.)



30. Toolkit Anecdotes

Please share one or two favorite anecdotes you may have from using the Explore Science: Earth & Space toolkit(s) across any/all years that you have participated. These can be memorable interactions and experiences with visitors, volunteers, or staff members.

If you don't have anything to share, please write "N/A".

(Maximum: 200 words)



Toolkit report complete

Thank you for taking the time to answer these questions! Your information is important to us.

Your 2021 Explore Science: Earth & Space toolkit report is now complete. You should receive an automated email from Alchemer (formerly SurveyGizmo) with a PDF of your completed report attached; you may need to check your email spam filter for the automated email.

If you have any questions about this report or experienced any problems with the toolkit, please contact your regional hub leader: <https://www.nisenet.org/contact>

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Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the view of the National Aeronautics and Space Administration (NASA).