

Explore Science - Earth & Space Toolkit 2020 Report

Part 1 - Contact information

Thank you for participating in the NISE Network's 2020 Explore Science: Earth & Space project!

We know 2020 has been a very difficult year with much uncertainty that has affected our institutions and each of us personally. We realize that beginning in mid-March 2020, life changed dramatically and many of you were not able to use the toolkit as originally intended.

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

The report asks what happened between January - December 2020, and then asks about your plans for 2021.

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 February 15, 2021.

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

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 2017, 2018, and/or 2019.

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

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 Christina Leavell <cleavell@smm.org>.

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
- Connecticut
- Delaware
- Federated States of Micronesia
- Florida
- Georgia
- Guam
- Hawaii
- Idaho
- Illinois

Country

United States

Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Marshall Islands
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Northern Mariana Islands
Ohio
Oklahoma
Oregon
Palau
Pennsylvania
Puerto Rico
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virgin Islands
Virginia
Washington
Washington, D.C.
West Virginia
Wisconsin
Wyoming

Zip

Email Address

Institution 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.

AK, Anchorage, Anchorage Museum
AK, Anchorage, University of Alaska Anchorage
AK, Fairbanks, Fairbanks Children's Museum
AK, Fairbanks, University of Alaska Museum of the North
AK, Kenai, Challenger Learning Center of Alaska
AL, Birmingham, McWane Science Center
AL, Gadsden, Imagination Place Children's Museum
AL, Huntsville, U.S. Space & Rocket Center
AL, Mobile, Gulf Coast Exploreum Science Center
AR, Fayetteville, University of Arkansas, Center for Math and Science Education
AR, Hot Springs, Mid-America Science Museum
AR, Jonesboro, Arkansas State University Museum
AS, Pago Pago, National Marine Sanctuary of American Samoa
AZ, Amado, Fred Lawrence Whipple Observatory
AZ, Bisbee, Bisbee Science Exploration & Research Center
AZ, Mesa, Arizona Museum of Natural History
AZ, Phoenix, Arizona Science Center (ASC)
AZ, Sierra Vista, Patterson Observatory - University South Foundation
AZ, Sun City, Challenger Space Center Arizona

AZ, Sun City, Challenger Space Center Arizona
AZ, Tempe, Arizona State University, School for the Future of Innovation in Society (ASU)
AZ, Tucson, Children's Museum Tucson
AZ, Tucson, National Optical Astronomy Observatory (NOAO): Kitt Peak National Observatory
AZ, Yuma, Children's Museum of Yuma County
CA, Berkeley, Lawrence Hall of Science
CA, Camarillo, kidSTREAM - Children's Museum in Ventura County
CA, Chico, Gateway Science Museum (Cal State University Chico)
CA, Downey, Columbia Memorial Space Center
CA, Escondido, San Diego Children's Discovery Museum
CA, Fresno, Fresno Discovery Center
CA, La Habra, Children's Museum at La Habra
CA, Lodi, World of Wonders WOW Science Museum
CA, Los Angeles, California Science Center
CA, Modesto, Modesto Junior College - The Great Valley Museum Planetarium
CA, Modesto, National Ag Science Center
CA, Oakland, Chabot Space & Science Center
CA, Pasadena, Kidspace Children's Museum
CA, Rancho Cordova, Sacramento Children's Museum
CA, Redding, Turtle Bay Exploration Park
CA, Sacramento, Powerhouse Science Center
CA, San Diego, Fleet Science Center
CA, San Diego, San Diego Air & Space Museum
CA, San Francisco, California Academy of Sciences (Cal Academy)
CA, San Francisco, Children's Creativity Museum
CA, Santa Maria, Santa Maria Valley Discovery Museum
CA, Temecula, Pennypickle's Workshop, the Temecula Children's Museum
CA, Ventura, Discovery Center for Science and Technology
CA, Yuba City, Playzeum Yuba-Sutter
CO, Boulder, CU Science Discovery, University of Colorado Boulder
CO, Colorado Springs, Challenger Learning Center of Colorado
CO, Denver, Denver Museum of Nature & Science
CO, Fort Collins, Fort Collins Museum of Discovery
CO, Lafayette, WOW! Children's Museum
CT, Bridgeport, Discovery Museum and Planetarium
CT, Bristol, Imagine Nation Children's Museum
CT, Hartford, Connecticut Science Center
CT, Niantic, Children's Museum of Southeastern Connecticut
CT, Norwalk, Stepping Stones Museum for Children
CT, Torrington, KidsPlay Children's Museum
DC, Washington, National Children's Museum
DC, Washington, Smithsonian National Air and Space Museum
DE, Wilmington, Delaware Museum of Natural History (DMNH)
FL, Daytona Beach, Museum of Arts and Science - Daytona, FL

FL, Fort Lauderdale, Museum of Discovery and Science
FL, Fort Walton Beach, Emerald Coast Science Center
FL, Jacksonville, Museum of Science and History (MOSH)
FL, Jensen Beach, The Children's Museum of the Treasure Coast
FL, Kennedy Space Center, Kennedy Space Center
FL, Lakeland, Explorations V Children's Museum
FL, Marathon, Crane Point Museum and Nature Center
FL, Orlando, Orlando Science Center
FL, Pensacola, Pensacola MESS Hall
FL, Saint Augustine, tag! Children's Museum of St. Augustine (Formerly called: Children's
FL, Sanford, Emil Buehler Perpetual Trust Planetarium/ Seminole State College
FL, St. Petersburg, Great Explorations, The Children's Museum
FL, Tallahassee, Challenger Learning Center - Tallahassee
FL, Tampa, Museum of Science and Industry (MOSI)
FL, Titusville, Valiant Air Command
FL, Vero Beach, Environmental Learning Center
FL, West Palm Beach, South Florida Science Center and Aquarium
GA, Atlanta, Fernbank Science Center
GA, Cartersville, Tellus Science Museum
GA, Mableton, JJs Playhouse Children's Museum
GA, Macon, Museum of Arts and Sciences - Mark Smith Planetarium
GU, Mangilao, University of Guam
HI, Hilo, Imiloa Astronomy Center of Hawai'i
HI, Hilo, Hawaii Science and Technology Museum
HI, Honolulu, Bishop Museum
HI, Honolulu, Hawaii Children's Discovery Center
HI, Kihei, Maui Science Center
IA, Des Moines, Science Center of Iowa
IA, Iowa City, Museum of Natural History - University of Iowa
IA, Peterson, Prairie Heritage Center - O'Brien County Conservation Board
ID, Boise, Discovery Center of Idaho
ID, Idaho Falls, Museum of Idaho
ID, Meridian, Children's Museum of Idaho, Inc.
ID, Pocatello, Idaho Museum of Natural History
IL, Aurora, SciTech Hands On Museum
IL, Bourbonnais, Exploration Station...a children's museum
IL, Carbondale, The Science Center
IL, Champaign, Orpheum Children's Science Museum
IL, Champaign, William M. Staerckel Planetarium - Parkland College
IL, Chicago, Museum of Science and Industry (MSI)
IL, DeKalb, Northern Illinois University Smart Space Learning Center (STEM Outreach)
IL, Homewood, Homewood Science Center
IL, Normal, Children's Discovery Museum
IL, Normal, Illinois State University Planetarium

IL, Normal, Illinois State University - Planetarium
IL, Oak Lawn, Children's Museum in Oak Lawn
IL, Oak Park, Wonder Works Children's Museum
IL, Peoria, Peoria Riverfront Museum
IL, Rockford, Discovery Center Museum
IL, Woodstock, Challenger Center Woodstock
IN, Bloomington, WonderLab Museum of Science, Health and Technology
IN, Columbus, kidscommons: columbus' community children's museum
IN, Crawfordsville, Carnegie Museum of Montgomery County
IN, Fort Wayne, Science Central
IN, Hammond, Challenger Learning Center - NW Indiana
IN, Indianapolis, Indiana State Museum and Historic Sites
IN, Indianapolis, Link Observatory Space Science Institute
IN, Indianapolis, The Children's Museum of Indianapolis
IN, Muncie, Charles W. Brown Planetarium - Ball State University
IN, Richmond, Joseph Moore Museum, Earlham College
IN, Terre Haute, Terre Haute Children's Museum
KS, Holton, Banner Creek Science Center and Observatory
KS, Topeka, Kansas Children's Discovery Center
KS, Wichita, Exploration Place
KY, Highland Heights, Haile Planetarium
KY, Lexington, Living Arts and Science Center
KY, Louisville, Kentucky Science Center
KY, Prestonsburg, East Kentucky Science Center and Planetarium
LA, Baton Rouge, Knock Knock Children's Museum
LA, Baton Rouge, Louisiana Art and Science Museum (LASM)
LA, Luling, St. Charles Parish Library Planetarium
LA, Manderville, Children's Museum of St. Tammany
LA, Shreveport, Sci-Port Discovery Center
LA, Thibodaux, Bayou Country Children's Museum
OTHER

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.

MA, Acton, The Discovery Museums
MA, Boston, Museum of Science, Boston
MA, Brewster, Cape Cod Museum of Natural History
MA, Nantucket, Maria Mitchell Association
MA, Norwell, South Shore Natural Science Center (South Shore YMCA)
MA, Springfield, Springfield Science Museum
MA, Westfield, Amelia Park Children's Museum
MA, Worcester, EcoTarium
MD, Baltimore, Maryland Science Center
MD, Baltimore, Port Discovery Children's Museum
MD, Columbia, James and Anne Robinson Nature Center
MD, Gaithersburg, Gaithersburg Community Museum
MD, Hagerstown, Discovery Station at Hagerstown
MD, Rockville, Rockville Science Center
ME, Bangor, Maine Discovery Museum
ME, Hinckley, L.C.Bates Museum
MI, Albion, Kids 'N' Stuff Children's Museum
MI, Alpena, Besser Museum for Northeast Michigan
MI, Ann Arbor, Ann Arbor Hands On Museum (part of Leslie Science & Nature Center))
MI, Ann Arbor, University of Michigan Museum of Natural History
MI, Battle Creek, Kingman Museum
MI, Detroit, Michigan Science Center (MiSci)
MI, Detroit, Wayne State University
MI, Grand Rapids, Grand Rapids Children's Museum
MI, Grand Rapids, Grand Rapids Public Museum
MI, Jackson, Imagine Planet
MI, Kalamazoo, Kalamazoo Valley Museum
MI, Lansing, Impression 5 Science Center
MI, Portage, Air Zoo
MI, Saginaw, Mid-Michigan Children's Museum
MI, St. Joseph, Curious Kids' Museum
MI, Traverse City, Great Lakes Children's Museum
MN, Bemidji, Headwaters Science Center

MN, Duluth, Duluth Children's Museum
MN, Duluth, University of Minnesota - Duluth (Marshall W. Alworth Planetarium)
MN, Fergus Falls, Otter Tail County Museum
MN, Minneapolis, The Bakken Museum
MN, Saint Paul, Bell Museum of Natural History
MN, Saint Paul, Science Museum of Minnesota (SMM)
MO, Jefferson City, Missouri State Museum
MO, Kansas City, Science City at Union Station
MO, Malden, Bootheel Youth Museum
MO, Saint Louis, Saint Louis Science Center (SLSC)
MO, Springfield, Discovery Center of Springfield
MS, Gulfport, Lynn Meadows Discovery Center
MS, Jackson, Mississippi Children's Museum
MS, Pearlinton, Infinity Science Center
MT, Billings, Wise Wonders - A Montana Children's Museum
MT, Bozeman, Montana State University Extended University - Burns Technology Center
MT, Ekalaka, Carter County Museum
MT, Helena, Exploration Works!
MT, Kalispell, Glacier Children's Museum
MT, Missoula, University of Montana - spectrUM Discovery Area
NC, Boone, The Children's Playhouse
NC, Chapel Hill, Kidzu Children's Museum
NC, Chapel Hill, Morehead Planetarium and Science Center - UNC Chapel Hill
NC, Charlotte, Discovery Place, Inc.
NC, Charlotte, McDowell Nature Center
NC, Durham, Museum of Life and Science
NC, Fayetteville, Fascinate-U Museum
NC, Greensboro, Greensboro Children's Museum
NC, Greensboro, Greensboro Science Center
NC, Greenville, A Time for Science (Greenville Science Center and Grifton Nature & Science Center)
NC, Hendersonville, Hands On! Children's Museum
NC, Huntersville, Discovery Place Kids Huntersville
NC, Raleigh, Marbles Kids Museum
NC, Rutherfordton, KidSenses Children's Museum
NC, Salisbury, Margaret C. Woodson Planetarium at Horizons Unlimited
NC, Sunset Beach, Museum of Coastal Carolina Ingram Planetarium
NC, Wilmington, Cape Fear Museum or Cape Fear Museum of History and Science
NC, Winston-Salem, Kaleideum North
ND, Bismarck, Gateway to Science
ND, Minot, Magic City Discovery Center/ Children's Museum of Minot
NE, Aurora, Edgerton Explorit Center
NE, Kearney, Kearney Area Children's Museum
NE, Lincoln, Lincoln Children's Museum

NE, Lincoln, University of Nebraska Lincoln
NE, Omaha, University of Nebraska - Omaha (Mallory Kountze Planetarium)
NH, Concord, McAuliffe-Shepard Discovery Center
NH, Manchester, SEE Science Center
NJ, Glassboro, Rowan University - Edelman Planetarium
NJ, Jersey City, Liberty Science Center
NJ, Morristown, Morris Museum
NJ, Newark, Newark Museum
NJ, Princeton, Princeton University
NJ, Toms River, Ocean County College - Robert J. Novins Planetarium
NM, Alamogordo, New Mexico Museum of Space History
NM, Albuquerque, Explora
NM, Albuquerque, National Museum of Nuclear Science and History
NM, Albuquerque, New Mexico Museum of Natural History
NM, Farmington, E3 Children's Museum & Science Center
NM, Las Cruces, Las Cruces Museum of Nature and Science
NM, Los Alamos, Los Alamos National Laboratory- Bradbury Science Museum
NM, Santa Fe, Santa Fe Children's Museum
NV, Las Vegas, Discovery Children's Museum
NV, North Las Vegas, College of Southern Nevada Planetarium
NV, Reno, Terry Lee Wells Nevada Discovery Museum
NV, Reno, University of Nevada, Reno - Fleischmann Planetarium and Science Center
NY, Buffalo, Buffalo Museum of Science
NY, Centerport, Vanderbilt Museum
NY, Corona, New York Hall of Science (NYSCI)
NY, Garden City, Cradle of Aviation Museum
NY, Garden City, Long Island Children's Museum (LICM)
NY, Ithaca, Sciencenter
NY, Loudonville, Dudley Observatory
NY, New York, American Museum of Natural History
NY, Oneonta, AJ Read Science Discovery Center at SUNY Oneonta
NY, Port Jefferson, Long Island Explorium
NY, Poughkeepsie, Mid-Hudson Children's Museum
NY, Rochester, Rochester Institute of Technology (RIT)
NY, Rochester, Rochester Museum & Science Center (RMSC)
NY, Rye, Westchester Children's Museum
NY, Saratoga Springs, The Children's Museum at Saratoga
NY, Schenectady, miSci miSci Museum of Innovation and Science
NY, Syracuse, Milton J. Rubenstein Museum of Science & Technology (MoST)
NY, Troy, Children's Museum of Science & Technology (CMOST)
NY, Tupper Lake, The Wild Center
NY, Upton, Brookhaven National Laboratory's Science Learning Center (BNL)
NY, Vestal, Kopernik Observatory & Science Center
OH, Bav Village, Lake Erie Nature & Science Center

OH, Cincinnati, Cincinnati Museum Center
OH, Cincinnati, Cincinnati Observatory Center
OH, Cleveland, Great Lakes Science Center
OH, Columbus, Center of Science and Industry (COSI)
OH, Dayton, Boonshoft Museum of Discovery
OH, Findlay, Children's Museum of Findlay
OH, Newark, The Works: Ohio Center for History, Art and Technology
OH, Toledo, Imagination Station
OH, Yellow Springs, Yellow Springs Science Castle
OH, Youngstown, OH WOW! The Roger and Gloria Jones Children's Center for Science & Discovery
OH, Youngstown, Youngstown State University - Ward Beecher Planetarium
OK, Enid, Leonardo's Discovery Center (Enid Arts & Science Foundation)
OK, Oklahoma City, Science Museum Oklahoma
OK, Stillwater, Oklahoma Wondertorium (CLOSED)
OK, Tulsa, Discovery Lab (formerly Tulsa Children's Museum)
OR, Eugene, Eugene Science Center
OR, McMinnville, Evergreen Aviation & Space Museum
OR, Newport, Hatfield Marine Science Center Visitor Center: Oregon State University
OR, Portland, Oregon Museum of Science and Industry (OMSI)
PA, Easton, Nurture Nature Center, Nurture Nature Foundation
PA, Erie, Gannon University
PA, Gladwyne, Riverbend Environmental Education Center
PA, Lancaster, North Museum of Nature and Science
PA, Lewisburg, Lewisburg Children's Museum
PA, Philadelphia, Franklin Institute
PA, Pittsburgh, Carnegie Science Center
PA, Reading, Reading Public Museum, Neag Planetarium
PA, State College, Discovery Space of Central Pennsylvania
PA, Waynesboro, Lykens Valley Children's Museum
PR, Arecibo, Arecibo Observatory - Angel Ramos Foundation Visitor Center
RI, Providence, Rhode Island Museum of Science and Art (RIMOSA)
RI, Providence, Roger Williams Park Museum of Natural History and Planetarium
SC, Columbia, South Carolina State Museum
SC, Greenville, Roper Mountain Science Center
SC, Rock Hill, Museum Of York County - Main Street Children's Museum, Culture & Heritage Center
SD, Brookings , Children's Museum of South Dakota
SD, Pierre, South Dakota Discovery Center
SD, Sioux Falls, Kirby Science Discovery Center at the Washington Pavilion of Arts and Science
TN, Gray, Hands On! Discovery Center (Formerly: Hands On! Regional Museum)
TN, Knoxville, The Muse Knoxville
TN, Memphis, Pink Palace Museum
TN, Murfreesboro, Discovery Center at Murfree Spring
TN, Nashville, Adventure Science Center

TX, Amarillo, Don Harrington Discovery Center (DHDC)
TX, Arlington, University of Texas at Arlington
TX, Beaumont, Beaumont Children's Museum
TX, Brownsville, Children's Museum of Brownsville
TX, Corpus Christi, Corpus Christi Museum of Science and History
TX, Dallas, Frontiers of Flight Museum
TX, Dallas, Perot Museum of Nature and Science
TX, Denton, Explorium Denton Children's Museum
TX, El Paso, Insights El Paso
TX, Fort Worth, Fort Worth Museum of Science and History
TX, Frisco, Sci-Tech Discovery Center
TX, Galveston, Galveston Children's Museum
TX, Harlingen, Challenger Learning Center at Texas State Technical College- Harlingen
TX, Houston, Children's Museum of Houston
TX, Houston, Space Center Houston
TX, Laredo, Imaginarium of South Texas
TX, Lubbock, Science Spectrum
TX, Sugar Land, The Houston Museum of Natural Science
TX, The Woodlands, The Woodlands Children's Museum
TX, Tyler, Discovery Science Place
TX, Victoria, Children's Discovery Museum of the Golden Crescent
TX, Waco, Texas State Technical College - Challenger Learning Center - Waco
UT, Ephraim, Snow College Planetarium
UT, Lehi, Thanksgiving Point Institute, Museum of Natural Curiosity
UT, Monticello, Canyon Country Discovery Center
UT, Ogden, Utah State University 4-H Extension
UT, Salt Lake City, Clark Planetarium
VA, Danville, Danville Science Center
VA, Fairfax, Children's Science Center
VA, Newport News, Virginia Living Museum
VA, Portsmouth, Children's Museum of Virginia - Portsmouth Museums
VA, Richmond, Science Museum of Virginia
VA, Roanoke, Science Museum of Western Virginia
VA, Wallops Island, NASA Wallops Flight Facility
VA, Winchester, Shenandoah Valley Discovery Museum
VI, St Thomas, The Virgin Islands Children's Museum
VT, Burlington, ECHO Leahy Center for Lake Champlain
VT, Norwich, Montshire Museum of Science
VT, Saint Johnsbury, Fairbanks Museum and Planetarium
WA, Bainbridge Island, Kids Discovery Museum
WA, Everett, Imagine Children's Museum
WA, Lakewood, Pierce College Science Dome
WA, Olympia, Hands On Children's Museum
WA, Pullman, Palouse Discovery Science Center

WA, Pullman, Palouse Discovery Science Center
WA, Seattle, Pacific Science Center
WA, Seattle, The Museum of Flight, Seattle
WA, Spokane, Mobius Spokane (Mobius Kids and Mobius Science Center)
WI, Eau Claire, Children's Museum of Eau Claire
WI, Green Bay, The Children's Museum of Green Bay
WI, Hudson, Space St. Croix, a STEAM Educational Nonprofit
WI, La Crosse, Children's Museum of LaCrosse
WI, Milwaukee, Betty Brinn Children's Museum
WI, Oshkosh, Experimental Aircraft Association (EAA) Airventure
WI, Sheboygan, Above & Beyond Children's Museum
WV, Morgantown, Spark! Imagination and Science Center
WY, Casper, The Science Zone
WY, Lander, Lander Children's Museum
WY, Riverton, Central Wyoming Children's Center for Art, Technology & Science (CATS)
WY, Thermopolis, Wyoming Dinosaur Center
OTHER

Toolkit Public Engagement in 2020

4. Use of Toolkit Materials in 2020

Did your institution use any Explore Science: Earth & Space toolkit materials between January - December 2020?

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

5. IN PERSON Use of Toolkit Materials during 2020

How often did your institution use Earth & Space toolkit materials in-person between January - December 2020?

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

Scouts, Girls Inc., PTA, the Y, YWCA, etc.)

library outreach

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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home school programs

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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adult-only events

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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lesson activities within college courses

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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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"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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celestial events (e.g. star gazing, meteor showers, moon viewing, eclipses, etc.)

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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6. VIRTUAL or ONLINE Use of Toolkit Materials during 2020

How often did your institution use Earth & Space toolkit materials between January - December 2020?

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.

activities (i.e. 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.)

7. Use of Toolkit Materials during 2020

Please briefly describe your Earth & Space in-person, virtual, or other public programming between January - December 2020. 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 2020

8. Audiences during 2020

Please identify the underserved audiences you reached through your Earth & Space public engagement between January - December 2020.

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

*

9. In-Person Attendance during 2020

Approximately how many people attended your Earth & Space events and programs in-person between January - December 2020.

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)

10. Virtual / Online Attendance during 2020

Approximately how many people attended your Earth & Space events and programs virtually / online between January - December 2020.

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)

11. In-person Attendance during 2020

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

(Maximum: 100 words)

12. Virtual / Online Attendance during 2020

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

(Maximum: 100 words)

13. Collaboration during 2020

Did you collaborate with other institutions on your Explore Science: Earth & Space public engagement between January - December 2020?

Collaborators can include:

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

14. Collaborations during 2020

How many different institutions did you collaborate with on your Explore Science: Earth & Space public engagement between January - December 2020?

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

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

15. Collaboration

Please list the institutions 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")

A large, empty rectangular box with a thin grey border, intended for the respondent to list the institutions they collaborated with. The box is currently blank.

Earth & Space public engagement - volunteers in 2020

16. Volunteers during 2020

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 2020.

(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

17. Number of Volunteers during 2020

Please estimate the total number of volunteers who participated in your Earth & Space public engagement in-person or virtually January - December 2020.

(Please enter numbers only)

Plans for 2021

18. IN PERSON Public Engagement Plans in 2021

How does your institution plan to use Earth & Space toolkit materials in-person in 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.

	Not applicable to my organization	Yes	No	Not sure
cart demonstrations / brief table top activities	<input type="radio"/>	<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"/>	<input type="radio"/>
K-12 school outreach (e.g. classes, field trips, science fair)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
afterschool programming	<input type="radio"/>	<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"/>	<input type="radio"/>
camps (e.g. summer camp, holiday camp, day camp)	<input type="radio"/>	<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"/>	<input type="radio"/>
library outreach	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
home school programs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
adult-only events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
lesson activities within college courses	<input type="radio"/>	<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"/>	<input type="radio"/>
celestial events (e.g. star gazing, meteor showers, moon viewing, eclipses, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19. VIRTUAL or ONLINE Plans in 2021

How does your institution plan to use Earth & Space toolkit materials virtually or online in 2021?

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 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 through the institution	<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"/>

20. Plans in 2021

Briefly describe how you plan to use any of the 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.

(Maximum: 300 words)

A Few Last Questions!

21. Moon Adventure Game Visitor Surveys

The Moon Adventure Game (<https://www.nisenet.org/moongame>) shipped in December 2020 as part of the 2020 part B. In this collaborative game, players will 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.

This game has been extensively prototyped and tested with visitors during a formative evaluation process. We need some additional help from a small number of partners to collect surveys from visitors after they use the activity for the summative evaluation.

Our evaluation team will offer training, provide visitor survey instruments, and share with participating institutions. We realize this will be challenging to collect data since many facilities may be closed. The evaluation team hopes to finalize data collection by August 2021.

Would your institution be interested by participating in collecting visitor feedback for the summative evaluation process?

Please note that participation in visitor data collection is **NOT** required..

Yes

No

I Don't know

22. If you responded YES to the previous question regarding interest in collecting Moon Adventure Game visitor feedback,

Is your facility currently open to the public?

Yes

No

23. 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.)



24. Toolkit Anecdotes

Please share one or two favorite anecdotes you may have from using the Explore Science: Earth & Space toolkit(s) across all the years that you may have participated. These can be memorable visitor, volunteer, or staff experiences.

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 feedback is important to us.

Your 2020 Explore Science: Earth & Space 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 Christina Leavell <cleavell@smm.org>.

This material is based upon work supported by NASA under cooperative agreement award numbers NNX16AC67A and 80NSSC18M0061.

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).