

NISE Network Online Workshop – Explore Science; Earth and Space Toolkit
Chat Window Transcript
September 13, 2016 2pm EST

Welcome Slide:

- Christina Leavell: (9/13/2016 13:55) Welcome everyone! Please introduce yourself by typing your name and institution here in the Chat Box.
- Catherine McCarthy: (13:56) Hi this is Catherine McCarthy from Science Museum of Minnesota
- Kayla Berry: (13:56) Hi and welcome. Please let me know if you can hear audio if you're connected through your computer audio.
- Lindsay Bartolone: (13:56) I could hear you
- Jill Kary: (13:56) I can hear you. Hi
- Catherine McCarthy: (13:56) Yes I can hear you fine (using computer audio)
- Marcy Paul: (13:56) Hi, I'm Marcy Paul from the Muncie Children's Museum
- Michael Kmietowicz: (13:56) Michael Kmietowicz from Orlando Science Center checking in!
- Jason Talley: (13:57) Hello. Jason Talley from the St. Charles Parish Library Planetarium
- Lindsay Bartolone: (13:57) Lindsay Bartolone, SEISE team (in Chicago)
- Christina Leavell: (13:57) Welcome! Christina Leavell, Manager of Network Projects at the Science Museum of Minnesota
- Christi Whitworth: (13:57) Christi Whitworth, Pisgah Astronomical Research Institute in North Carolina
- Kathleen Buck: (13:57) Kathleen Buck: Hi from Lynn Meadows Discovery Center in Gulfport, MS
- Dave Dooling: (13:57) Dave Dooling at the New Mexico Museum of Space History in Alamogordo.
- KC Miller: (13:58) KC Miller from the Science Museum of Minnesota
- Charles Gibson: (13:58) Charles Gibson, Paulette Auchtung and Kevin Farmer here from the Michigan Science Center!
- Katie Merrill: (13:58) Katie Merrill and Nicole Mues Springfield Science Museum
- Carole Holmberg: (13:58) Carole Holmberg, Museum of York County, Rock Hill, SC
- Suzi Taylor, MT: (13:58) Hi -- Suzi Taylor with Montana State University and the Montana Girls STEM Collaborative
- Christina Leavell: (13:58) Welcome everyone! Please introduce yourself by typing your name and institution here in the Chat Box. Also, please be sure to mute yourself during our presentation.
- Meghan Schiedel: (13:59) Hello everyone. Meghan Schiedel here from The Terry Lee Wells Nevada Discovery museum in Reno Nevada
- Susanne Dorr: (13:59) Susanne Dorr - Director of Grants and Special Projects, miSci - museum of innovation and science in Schenectady, NY

- Christina Leavell: (13:59) FYI - This webinar will be recorded and made available on our site at nisenet.org/events/online-workshop
- Jessica Williams: (13:59) Jessica Williams from Discovery Center Museum in Rockford, IL
- Jill Kary: (13:59) I am Jill Kary, Curator of Education for Arkansas State University Museum
- Alana Baliga: (13:59) Alana Baliga, Science Spectrum Museum in Lubbock, TX
- Sarah Daley: (14:00) Hello all! Sarah Daley, interpretive designer with The Parklands of Floyds Fork in Louisville, Kentucky
- Bonnie Everts: (14:00) Bonnie Everts, SELF International, Minneapolis, MN
- Kitura Main: (14:00) Kitura Main
- Calvin Uzelmeier: (14:00) Calvin Uzelmeier from Rochester Museum & Science Center.
- Martha: (14:00) Hi! This is Martha Register from the Greensboro Science Center
- Sheila Montgomery: (14:00) Sheila Montgomery, Powerhouse Science Center, Sacramento, CA
- Denise LeBlanc: (14:00) Denise LeBlanc, The Discovery Museums, Acton, MA
- Christina Leavell: (14:01) HI!
- Anne Herndon and Sarah Twidal: (14:01) Anne Herndon and Sarah Twidal, Fort Worth Museum of Science and History
- Rachel Garcia: (14:01) Rachel Garcia- SPI Spot, Mount Vernon, OH
- William Mitchell: (14:02) William Mitchell, Solar System Ambassador, MI
- Anne Drake 2: (14:02) Anne Drake: Great Lakes Children's Museum
- Latongia Pepper: (14:02) Latongia Pepper: Roper Mountain Science Center, Greenville SC
- Anna Hurst: (14:02) HI Anne! Good to see you!

Presentation Slides:

- Anna Hurst: Hi, Christi!
- Victoria Scalise: Suzi!
- Christi Whitworth: Hi Anna. I have so many friends in this meeting, Suzi and Carole H. are in here too!!
- Christina Leavell: Learn more about the NISE Network and review our products at nisenet.org
- Christi Whitworth: And I think I saw Lindsay B. too earlier.
- Anna Hurst: Happy to see you all here! We at the ASP are excited to be a part of this project.
- Lindsay Bartolone: Yep I'm here Christi!
- Anna Hurst: Lindsay is also one of the partners on the project
- Ali Jackson: I'm loving the little hellos and chats happening in the chat box!
- Anne Drake 2: Me too.

- Christi Whitworth: Knowing the two of you are a part of this helps me know this is a great opportunity for us.
- Lindsay Bartolone: :)
- Victoria Scalise: Hi, Ali :)
- Christina Leavell: This new Regional Hub map with contact info can be found online at nisenet.org/contact-nise-net
- Catherine McCarthy: Glad all of you are here!
- Suzi Taylor, MT: Hi, Christi!!
- Suzi Taylor, MT: Hi, Victoria!
- Christina Leavell: More details about this project can be found at nisenet.org/space
- Charles Gibson: This is great! We love our Nano exhibit!
- Christina Leavell: That's great to hear Charles!
- Charles Gibson: Have you thought about other languages other than Spanish or English? - Paulette
- Lindsay Bartolone: what languages would be most useful?
- Charles Gibson: We have a very large Arabic speaking population in Metro Detroit
- Christina Leavell: Excellent question. After a lot of evaluation, we found Spanish to be used most as a second language across our partners. However, there have been many partners that have taken it upon themselves to translate materials.
- Christina Leavell: Ali mentioned these materials, which are very helpful to those who want to approach adapting work to other audiences: <http://nisenet.org/search?query=universal+design>
- Charles Gibson: Thanks Christina!
- Anita: How many people can we expect to serve with the kits?
- Christina Leavell: No problem! We also try to keep track of partners who are adapting our resources and ask them to share these back to the network community for others to use.
- Victoria Scalise: Hi, Nick! Come visit us!
- Nick Spicher: Hi Victoria!:)
- Christina Leavell: Kits normally serve about 100 visitors - great question.
- Catherine McCarthy: Some of our kit activities do have consumables (and we try to make those easy for re-stocking on your own) but othe activities do not have consumables
- Christina Leavell: That said, most materials that would be "used" for these 100 guests are always easily found and refillable.
- Christina Leavell: Learn how to apply at nisenet.org/earthspacekit-apply
- Ali Jackson: As Christina mentioned, we include consumables for about 100 visitors if an activity uses consumables, but also include tips on how to get more materials (inexpensive) or optional modifications you can make to use fewer consumables.
- Suzi Taylor, MT: University outreach centers?

- Catherine McCarthy: There are also some other new NASA funded programs for libraries - you can learn more at <http://www.starnetlibraries.org>
- Anita: Is it okay to plan to serve more than 100 with our events?
- Catherine McCarthy: Suzi, I would suggest you definitely apply.
- Christina Leavell: Absolutely Suzi!
- Christina Leavell: As well as Anita - we encourage you to serve as many individuals as you can!
- Christina Leavell: Absolutely!!!
- Christina Leavell: The "Toolkit Application Overview" can be found at nisenet.org/sites/default/files/Earth%20and%20Space%20Toolkit%202017%20application%20overview%2008-29-16.pdf
- Christina Leavell: This list is also included in the "Toolkit Application Overview" (previously shared) as well as integrated into our "STEM Throughout the Year!" list online at nisenet.org/seasons
- Anna Hurst: Third time's the charm! :-)
- Ali Jackson: Great suggestions!
- Ali Jackson: Anna, Are you able to start your webcam?
- Dave Dooling: durations of workshops?
- Brad Herring: One-hour workshops and then one three week workshop
- Dave Dooling: full time for three weeks?
- Ali Jackson: The three week workshop will be a combination of synchronous and asynchronous
- Carole Holmberg: Will the toolkit activities involve computers or iPads?
- Brad Herring: No, it's about 4 hours a week, with one hour being online
- Dave Dooling: good. thanks
- Amy Sera: Hi Carole
- Ali Jackson: Many of the activities have optional connections to multi media (videos and websites and other interactive).
- Carole Holmberg: Hi Amy. Congrats on the new job.
- Ali Jackson: We're not able to supply the technology, but we can provide suggestions
- Suzi Taylor, MT: Would volunteer scientists participate in the workshop? I'm thinking of graduate students who want to be better at science communications and outreach
- Rob Fredell: The website says Earth & Space toolkits will include 8 to 10 hands-on activities. Will there be more detailed description before applications are due?
- Ali Jackson: That's a great question, Suzi. The primary focus is on museum professionals, but your students might be a good fit.
- Brad Herring: Suzi, the three-week workshop would just be made available for toolkit recipients
- Brad Herring: all other one-hour workshops would be open to everyone
- Suzi Taylor, MT: Thanks, Brad.

- Christina Leavell: Rob - We should have a list of activities available before the November application deadline.
- Christina Leavell: nightskynetwork.org
- Ali Jackson: Rob, we won't have a lot more detail available. Activities cover a range of Earth and space science. This year's toolkit will also have a couple activities that can be used around the August 21st 2017 solar eclipse.
- Christina Leavell: aas.org/outreach/roster-aas-astronomy-ambassadors
- Christina Leavell: solarsystem.nasa.gov/ssa
- Rob Fredell: Thanks. What grade levels are they appropriate for?
- Catherine McCarthy: Rob we design the kit activities to work with a wide range of audiences - primarily designed for family audiences of mixed ages visiting children's museums and science museums; typically ages five and up
- Christina Leavell: <http://nisenet.org/about>
- Rob Fredell: Thanks Catherine
- Catherine McCarthy: Not every activity works with every age - but we try and have a range of experiences for different ages
- Ratio Rat: Is there a list of what activities will be included in the tool kit?
- Sarah Daley: What is the policy for organizations applying together for a kit? Say they wanted to share it, and run join programs?
- Catherine McCarthy: Ali and Brad do you want to say a few things about age
- Christina Leavell: <http://nisenet.org/events/online-workshop>
- Sarah Zimmerman: I've got to run, but thank you all!
- Jessica Williams: Would any of the activities or training help with adapting activities for younger children? We have a large group of 2-5 year old classes that we teach and I would love to have something for them.
- Brad Herring: thanks Sarah!
- Christi Whitworth: Thanks everyone. This was very helpful.
- Charles Gibson: Is there Next Generation Science Standard alignment?
- Jill Kary: Will earthquakes be addressed?
- Anna Hurst: Hi Jessica, please check out My Sky Tonight from use here at the ASP. We have a toolkit and workshop aimed at astronomy for per-K children
- Dave Dooling: cost to build our own kits if we don't get selected and just download materials?
- Ali Jackson: Hi Jill, no earthquakes
- Sarah Daley: Thanks for your response Brad!
- Anna Hurst: Jessica, here's info about My Sky Tonight: <https://www.astrosociety.org/education/my-sky-tonight/>
- Dave Dooling: thanks
- Jessica Williams: Thanks Anna!
- Carole Holmberg: Jessica Williams, check out the "My Sky Tonight" program that ASP puts out. Wonderful kits for ages 3-5.
- Catherine McCarthy: The cost Ali just mentioned includes boxes, packing, labels, sign stands, shipping, etc. If you are using downloaded digital materials, you can make your own activities often quite inexpensively

- Dave Dooling: thanks!
- Christina Leavell: The link to apply again - <http://www.nisenet.org/earthspacekit-apply>
- Jill Kary: Great, thanks. Since we are positioned near the New Madrid, MO fault line, earthquakes are a big deal in our Museum. :)
- Anna Hurst: Thanks for the endorsement, Carole! The SEISE kit actually includes one of the MST activities (Bear's Shadow)!
- Kayla Berry: There was a question: Is there Next Generation Science Standard alignment?
- Jessica Williams: About how many of the activities will be focused on earth science vs astronomy? We usually split these topics into separate programs
- Jill Kary: Thanks Brad
- Carole Holmberg: Anna, we have "Fun with Flashlights" as an event next month which includes Bear's Shadow.
- Anna Hurst: Exciting! Please let us know how it goes, Carole! We are just kicking off our next MST workshop next week.
- Lindsay Bartolone: Perhaps a one hour workshop could explore ways to use these activities to support NGSS learning
- William Mitchell: what is the Digital Version of the Toolkit?
- Charles Gibson: That would be great Lindsay!
- Christina Leavell: Example digital kit: <http://www.nisenet.org/nanodays/NanoDays-2015-digital-kit>
- William Mitchell: Does one need to apply for that?
- William Mitchell: tx
- Christina Leavell: Will be posted here: <http://www.nisenet.org/earthspacekit>
- Charles Gibson: When will exhibits be distributed?
- Charles Gibson: Or available to apply for
- Dave Dooling: how long does an institution get to use exhibit?
- Ratio Rat: Are those who receive the toolkit more likely to receive the exhibit?
- Catherine McCarthy: The guidelines we used for our Nano exhibition was a minimum of one-year minimum display - we haven't made a final decision yet for the new exhibition.
- Catherine McCarthy: We also had a lot of museums share the exhibition for that one-year requirement
- Martha: We shared in NC and it was really great.
- Sheila Montgomery: Can multiple people from an institution participate in the three-week pd opp?
- Brad Herring: yay Martha!
- Catherine McCarthy: We'll definitely promote the exhibition application some time next year when we are further in exhibition development (that way museums will know more before they apply)
- Sheila Montgomery: Awesome, thanks!

- Frnak: Hey Sheila! Hope you apply!
- Jill Kary: Thank you all for having this.
- Sarah Daley: Thank you all!
- Charles Gibson: Thanks everyone!
- Christina Leavell: Here is the toolkit application overview one more time:
<http://www.nisenet.org/sites/default/files/Earth%20and%20Space%20Toolkit%202017%20application%20overview%208-29-16.pdf>
- Dave Dooling: thank you.
- Rachel Garcia: thanks
- Martha: Thank you for setting this up!
- Anne Drake 2: This was a great introduction
- Denise LeBlanc: Thanks!
- Christina Leavell: Regional hubs once more:
<http://www.nisenet.org/contact-nise-net>
- Michael Kmietowicz: Thank you!
- Sheila Montgomery: Hi Frank. We are stoked for the new programming. Hope things are going well for you!
- Frnak: They are! But my spelling lately has suffered
- Frnak: lol
- Ali Jackson: You can also continue to ask hubs questions about the toolkit and application
- Jason Talley: Thanks so much for the information!
- Susanne Dorr: Thanks!
- Susanne Dorr: Thanks!
- Christina Leavell: THANK YOU PRESENTERS AND GUESTS!!!
- Frnak: Hey it's frank not Frnak lol
- Bonnie Everts: Thank you!
- Nick Spicher: Thanks for the info!
- Sheila Montgomery: Thanks NISE Net!
- Victoria Scalise: Thanks, Frnak! Talk to you soon
- Jill Kary: bye
- Catherine McCarthy: thank you!
- Frnak: lol
- Megan Norris: Thank you!
- Becky: Thanks!
- Anne Drake 2: bye this was very informative