

**Online Workshop: Tips for Planning Your August 21, 2017 Solar Eclipse Event  
Chat Dialogue Transcript (Recorded January 27, 2017)**

00:30:22 Justin M. McAfee: Hello All! Justin M. McAfee, Science Central in Fort Wayne, Indiana!

00:30:48 Ali Jackson: Hi There! Ali Jackson, Sciencenter, Ithaca, NY

00:31:05 Kayla Berry, Museum of Science: Hi, I'm Kayla from the Museum of Science in Boston, MA

00:31:25 Lindsay Bartolone: Lindsay Bartolone, working with University of California Berkeley from Chicago, IL

00:33:19 Anna Hurst, ASP, San Francisco: Hi, I'm Anna Hurst from the Astronomical Society of the Pacific in San Francisco. The ASP is excited to be a partner on this Earth & Space project with NISE-Net!

00:33:22 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Jennifer Godfrey Oregon State Parks-Park Naturalist, Detroit, Oregon

00:33:40 TeddyD: Hi. I'm Teddy Dillingham from Imagine Children's Museum in Everett, WA.

00:33:47 loriannterjesen: Good afternoon! Lori Ann Terjesen from the Children's Science Center in Fairfax, VA.

00:34:09 bparkin: Hi All, This is Becky Parkin from Lake Metroparks in Lake County Ohio.

00:34:11 swesterhaus: Chandra Weathers and Sheree Westerhaus - La. Art & Science Museum/Irene W Pennington Planetarium Baton Rouge, LA

00:34:14 Katie Raney: Hi all, Katie Raney from Texas State Parks

00:34:35 Bob Reichman - NJAA: Bob Reichman, New Jersey Astronomical Association

00:34:39 Samantha Richards - DMNS, Denver, CO: Hello! Samantha Richards from the Denver Museum of Nature & Science in Denver, CO

00:34:50 Derrick Pitts - The Franklin Institute: Derrick Pitts and colleagues from The Franklin Institute in Philadelphia, PA

00:34:54 Brad Herring: The Explore Science: Earth and Space digital toolkit can be found here: <http://www.nisenet.org/earthspacekit-2017>

00:35:03 Susan, Melinda, Kate - Hopewell Culture NHP, Chillicothe, OH: Hi from Hopewell Culture National Historical Park in Chillicothe, OH!

00:35:19 Brian Kruse: Hello Everyone! Brian Kruse at the Astronomical Society of the Pacific.

00:35:32 corinnesosso: Corinne Sosso, Discovery Center, Rockford IL

00:36:08 nhaas: Nicole Haas, Avon Lake Parks & Rec, near Cleveland, OH

00:36:19 Brad Herring: Here's a recorded Online Workshop from September 2017 that has an overview of the NISE Network and introduces the new Earth and Space project <http://www.nisenet.org/catalog/nise-network-online-workshop-explore-science-earth-space-toolkits-recorded>

00:36:41 Susan- Museum of Science, Boston: Greetings! Susan Heilman from the Museum of Science in Boston, MA

00:37:09 Brad Herring: NISE Network Regional Hubs - <http://www.nisenet.org/contact>

00:38:46 Brad Herring: the toolkit Planning Guide can be found here -  
<http://www.nisenet.org/catalog/explore-science-earth-space-2017-event-planning-and-promotion-guide>

00:39:36 Brad Herring: Solar Eclipse  
<http://www.nisenet.org/catalog/exploring-solar-system-solar-eclipse>

00:40:07 Brad Herring: Big Sun, Small Moon  
<http://www.nisenet.org/catalog/exploring-solar-system-big-sun-small-moon>

00:40:17 Brad Herring: Bear's Shadow  
<http://www.nisenet.org/catalog/exploring-earth-bear%E2%80%99s-shadow>

00:41:59 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Nice!!!!

00:42:43 Brad Herring: In case you missed the opening statement, this workshop will be recorded and posted here by Monday of next week:  
[http://www.nisenet.org/search/product\\_category/online-workshops-31](http://www.nisenet.org/search/product_category/online-workshops-31)

00:43:08 Teresa: yes

00:46:27 Justin M. McAfee - Science Central, Fort Wayne, IN: hahaha!

00:46:32 Justin M. McAfee - Science Central, Fort Wayne, IN: Poor Mars...

00:46:43 Clayton Hanson: Oh no!

00:46:46 George Jaeger: transit instead

00:48:02 msburton: Will we be getting a copy of this PPT?

00:48:29 Sondra Geddes, AERO Institute, Palmdale, CA: my thoughts exactly

00:48:32 Brad Herring: Yes, we will be posting it to the online workshop page on nisenet.org as a PDF

00:48:42 Ali Jackson, Sciencenter, Ithaca NY: A pdf of this ppt is posted: <http://www.nisenet.org/events/online-workshop/planning-your-august-21-2017-solar-eclipse-event>

00:48:55 msburton: Awesome!! Thanks, Brad!

00:49:08 msburton: Thank you, Ali!!

00:51:06 George Jaeger: Niice!

00:51:08 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: I love it!!!!

00:51:10 msburton: Lol!! Nice one

00:51:16 Sondra Geddes, AERO Institute, Palmdale, CA: lol

00:51:23 Katie Raney: I see what you did there... :D

00:51:33 Brad Herring: Here's NASA's website on how to view the 2017 solar eclipse safely - <https://eclipse2017.nasa.gov/safety>

00:51:34 Anna Hurst, ASP, San Francisco: Hahaha. Andy is the king of well-timed astronomy jokes.

00:52:26 Brad Herring: An Observers Guide to Viewing the Eclipse is an 8 page insert in the Solar Science book written by Dennis and Andy - <http://www.nisenet.org/sites/default/files/catalog/uploads/NSTASolarScienceInsert.pdf>

00:52:44 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Cha-ching!

00:58:05 Brad Herring: We've got some places listed on our website where to buy them <http://nisenet.org/events/other/solar-eclipse-august-21-2017>

01:00:05 Katie Raney: Could we use a spotting scope (like what birders use) for a projection?

01:00:21 Eugene Vale, Missouri State Parks.: Been doing it for years.

01:01:23 George Jaeger: Tape a mirror to a ball and roll it around in a jar lid

01:03:29 Ms Nolan's Earth Science Class, Crocker HS, Crocker, MO: If you could only do one NGSS aligned solar eclipse activity, what would it be?

01:04:24 Anna Hurst, ASP, San Francisco: You can even just cross the fingers of one hand over the fingers of the other hand to make a grid of pinholes.

01:05:56 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: The big question I had at a recent all-staff meeting was, "If the Sun appears to move in the sky from East to West, why does the path of the eclipse appear to move from West to East? and.....do you have a video that demonstrates this?"

01:06:55 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: I have the answer but folks couldn't visualize my answer

01:07:16 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Great, thanks!

01:08:05 Anna Hurst, ASP, San Francisco: Here are some of Michael Zeiler's animations: [http://www.eclipse2017.org/2017/2017\\_anim.htm](http://www.eclipse2017.org/2017/2017_anim.htm)

01:08:41 Ali Jackson, Sciencenter, Ithaca NY: This is a nice visualization: <https://svs.gsfc.nasa.gov/12117>

01:09:23 Ali Jackson, Sciencenter, Ithaca NY: This book is included in the physical 2017 NISE Net Explore Science: Earth and Space toolkit

01:09:46 Ali Jackson, Sciencenter, Ithaca NY: (We're excited to be able to share this with our partners!)

01:10:44 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Ours will not be in session for most schools here in Oregon.

01:11:18 Brad Herring: Here's a PPT presentation that the Astronomical Society of the Pacific (ASP) put together on helping plan your eclipse event, also included in the toolkit - <http://www.nisenet.org/catalog/preparing-partial-eclipse-event-remember-slides-presenter-notes>

01:11:45 Anna Hurst, ASP, San Francisco: Dennis and I are authors on an article in an upcoming issue of Science & Children, focused on experiencing the eclipse with young children (pre-K / kindergarten)

01:11:54 Brian Kruse: For those of you who can make it to San Francisco in three weeks, the ASP is conducting an eclipse workshop for teachers on February 18: <http://www.astrosociety.org/education/>

01:14:43 Brian Kruse: Eclipse resources from the NASA Night Sky Network: [https://nightsky.jpl.nasa.gov/download-view.cfm?Doc\\_ID=588](https://nightsky.jpl.nasa.gov/download-view.cfm?Doc_ID=588)

01:15:04 Brad Herring: Fell free to share some of your event ideas here in the chat box

01:16:14 Brad Herring: And you can submit your event to NASA's eclipse website here - <https://sdo.gsfc.nasa.gov/epo/educators/2017eclipse.html>

01:16:20 Brian Kruse: An eclipse modeling activity developed for the Night Sky Network was modified for use in classrooms. Check out the article in the October issue of NSTA's Science Scope: [http://www.nsta.org/store/product\\_detail.aspx?id=10.2505/4/ss16\\_040\\_02\\_30](http://www.nsta.org/store/product_detail.aspx?id=10.2505/4/ss16_040_02_30)

01:21:13 Eugene Vale, Missouri State Parks.: We're going to be video streaming the eclipse and projecting the same image on a large screen for those without eye protection.

01:22:17 Ali Jackson, Sciencenter, Ithaca NY: the Event Planning and Promo Guide eclipse section includes some details about live streaming the eclipse:  
<http://www.nisenet.org/catalog/explore-science-earth-space-2017-event-planning-and-promotion-guide>

01:25:12 Laurie Averill, retired: Solar System Ambassador volunteers (JPL, NASA) may be able to help, too.

01:25:33 Ali Jackson, Sciencenter, Ithaca NY: That's a great suggestion, Laurie!

01:25:51 Brad Herring: Here's the link for the SSA  
<http://solarsystem.nasa.gov/ssa/home.cfm>

01:27:25 Brad Herring: We're getting close to the top of the hour and Dennis and Andy have agreed to go a little longer if you want to ask any questions. If you have to leave, we'll keep the recording going so you won't miss anything. Again, that recording can be found here by next Monday:  
<http://www.nisenet.org/events/online-workshop/planning-your-august-21-2017-solar-eclipse-event>

01:27:33 Stephanie Kadam, Stepping Stones Museum for Children: What are the best way for these glasses to be recycled after the eclipse?

01:27:53 Lindsay Bartolone, Chicago IL: Keep them for 7 years until the next one?

01:27:57 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: I wish we had one in Oregon

01:28:07 Katie Raney: Keep them to look at big sunspots when they come around!

01:28:10 Anna Hurst, ASP, San Francisco: <https://aas.org/outreach/roster-aas-astronomy-ambassadors>

01:28:24 dennisschatz: STAR Net hopes that the SSA will work with local libraries, as the SSAs have great expertise to share.

01:28:25 Eugene Vale, Missouri State Parks.: It will be partial in Oregon. Also an annular eclipse in 2023.

01:28:50 Anna Hurst, ASP, San Francisco:  
<https://nightsky.jpl.nasa.gov/clubs-and-events.cfm>

01:29:14 Brian Kruse: New website for the Megamovie:  
<https://eclipsemega.movie>

01:29:37 Brad Herring: Don't forget to register for our next online workshop: What's in your 2017 Explore Science: Earth and Space Toolkit?  
<http://nisenet.org/events/online-workshop/whats-your-explore-science-earth-space-toolkit-2017>

And we'll have 2 more online workshops in March covering some of the science behind the activities in toolkit (March 14th - Astrobiology: Searching for life; and March 28th - The Changing Earth), more info coming soon -  
<http://nisenet.org/events/online-workshop>

01:30:08 dennisschatz: There may be an effort to recycle the glasses for use in South America for an upcoming eclipse. Stay tuned for more info.

01:30:11 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: You are amazing! Thank you!

01:30:25 Laurie Averill, retired: Thanks! Very useful!

01:30:47 Justin M. McAfee - Science Central, Fort Wayne, IN: I'm so excited for these kits!



01:31:04 Justin M. McAfee - Science Central, Fort Wayne, IN: Thank you, all for your time, today!

01:31:05 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: So, I am going to have a booth that will serve about 1500-2000 people in February. What is a good short contact idea for a discovery table?

01:31:13 Natural History Museum of Utah, Salt Lake City, Paulmichael: Thanks for your time and knowledge!

01:31:14 Anna Hurst, ASP, San Francisco: In addition to questions, I'd also love to hear what events you all have planned for the eclipse

01:31:20 Natural History Museum of Utah, Salt Lake City, Paulmichael: You guys did a great job!

01:31:23 Ms Nolan's Earth Science Class, Crocker HS, Crocker, MO: Amazing webinar! Jefferson City, MO is having an eclipse event, [capitaleclipse.org](http://capitaleclipse.org)

01:31:30 loriannterjesen: Thank you for the information! Have a great weekend.

01:31:50 Ali Jackson, Sciencenter, Ithaca NY: I echo Anna's comment. We'd love to hear your plans in the chat. Or you can raise you hand and we can turn on your mic.

01:32:26 Eugene Vale, Missouri State Parks.: See also:

01:32:31 Eugene Vale, Missouri State Parks.: <https://mostateparks.com/2017Eclipse>

01:32:53 Anna Hurst, ASP, San Francisco: Looks like Missouri has some good plans in place!

01:33:40 Susan- Museum of Science, Boston: We have a hydrogen alpha telescope that we are hoping to hook up to a large (70 or 90inch) video screen outside in our plaza. We're only getting 70% coverage here, but we're hopeful for the weather

01:34:03 Eugene Vale, Missouri State Parks.: There's a picture on the web of a Ritz (or is it HiHo) Cracker working as 7 pinhole cameras onto a white card.

01:34:23 Anna Hurst, ASP, San Francisco: Oh yes, I've seen the Ritz cracker. That's a clever one!

01:34:37 Ali Jackson, Sciencenter, Ithaca NY: downloadable artwork for the pinhole postcards is available here:  
[http://www.nisenet.org/sites/default/files/catalog/uploads/ExSci\\_Space\\_eclipsepostcard\\_0.pdf](http://www.nisenet.org/sites/default/files/catalog/uploads/ExSci_Space_eclipsepostcard_0.pdf)

01:34:38 Anna Hurst, ASP, San Francisco: My favorite is just the criss-crossed fingers

01:34:42 Katie Raney: Jennifer, you can make star fortune tellers (or cootie catchers, depending on what part of the country you are in) for them to take home

01:35:02 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Perfect, thanks!

01:35:05 Eugene Vale, Missouri State Parks.: I found that most telescopes are two powerful (sun more than fills the frame). I've gotten a solar filter for an HD video camera and the zoom works fine.

01:35:07 Katie Raney: I am looking for the link

01:35:35 Katie Raney: From NASA space place:  
<http://spaceplace.nasa.gov/starfinder/en/>

01:36:12 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Even sighted folks LOVED this brail book at our First Day Hike!

01:36:19 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Mine didn't have the moon!

01:36:24 Jake Ewald, Turtle Bay Exploration Park, Redding, CA: Thank you for this illuminating discussion!

01:36:28 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: I got mine at the ASP meeting.

01:37:11 Lindsay Bartolone, Chicago IL: If you can find the publication number (all nasa published items have them they can help us find it

01:38:01 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Fantastic! I have many more parks that want them!

01:39:00 elaine: Hi, I'd like to comment on something...

01:39:01 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: wonderful thanks!

01:39:13 corinnesosso: I am thinking of cutting the eclipse glasses in half and mounting the viewing portion in the center of a piece of cardboard to stretch the number of people who can use them.

01:39:56 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Richard Berry of Night Sky 45 made a great visual for Stayton, Oregon It has direction and declination

01:39:59 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: with times

01:41:40 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: I have heard about the non-certified glasses, I haven't seen any yet!

01:42:15 elaine: I'm working with a company that can provide certified glasses, customs orders, for 30 cents each

01:42:24 elaine: if anyone interested

01:42:37 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: minimum order number?

01:42:41 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: for that rate?

01:42:43 Ali Jackson, Sciencenter, Ithaca NY: Thanks, Elaine

01:42:54 Brian Kruse: Andy, some institutions have a concern about potential liability issues with people viewing the eclipse. Andy guidance on this potential issue?

01:42:57 Eugene Vale, Missouri State Parks.: Trying to watch the entire partial phases is like watching paint dry. It may be the paint on the Mona Liza, but it still takes time. People have plenty of time to share.

01:42:58 Susan,Melinda,Kate - Hopewell Culture NHP, Chillicothe, OH: yes - very intersted in 30 cent glasses!

01:43:07 elaine: Sorry folks!!

01:43:56 elaine: Just wanted to say, if using pushpins to make solar viewers, make sure that adults keep an eye on them, put them away - a choking hazard for kids

01:43:57 Jennifer Godfrey-Oregon State Parks-Detroit, Oregon: Great question Brian! I have heard the same thing from some co-workers

01:45:51 Eugene Vale, Missouri State Parks.: We tend to worry about the unlikely. Driving to see the eclipse is more dangerous.

01:46:43 Katie Raney: Elaine, that's exactly how I tell kids (and all people, really) to look at the sun, especially when using pieces of welding glass

01:48:54 Nick: Has anyone approached their local school districts about not having school the day of the eclipse? Any pointers?

01:50:59 Susan,Melinda,Kate - Hopewell Culture NHP, Chillicothe, OH: Thank you everyone! This was very helpful.

01:51:12 Eugene Vale, Missouri State Parks.: We've seen schools jump in all kinds of directions. Some are locking their students inside. Some are afraid of liability. Ours (Jefferson City) is buying 10,000 pairs of eclipse glasses for an educational event. Ability to afford the glasses seems to be a factor in what the schools do.

01:51:52 elaine: St. Louis School District purchased 9,000 eclipse glasses, hundreds of books to get kids ready - The Big Eclipse and The Big Eclipse Activity Book.

01:52:37 Brad Herring: <https://www.rainbowsymphony.com/eclipse-glasses/>

01:52:43 Brad Herring: <http://www.eclipseglasses.com/collections/eclipse-glasses-stock>

01:52:52 Brad Herring: <http://nisenet.org/events/other/solar-eclipse-august-21-2017>

01:53:03 elaine: I can get a better discount for smaller orders, 3-10,000 glasses!!! Working with one of the top two companies :) They are doing me a favor, I can pass it on.

01:53:29 elaine: don't go blind, close the blinds (ca. 1979)

01:53:38 Eugene Vale, Missouri State Parks.: We have them on order from Rainbow Symphony. Publicizing the glasses give-aways, which you mentioned earlier, is very important.

01:53:42 Katie Raney: Hi Elaine, I might be interested in your discount! Can you email me at [katie.raney@tpwd.texas.gov](mailto:katie.raney@tpwd.texas.gov) ?

01:53:54 corinnesosso: this has been tremendously helpful, thank you

01:54:01 elaine: Please contact me, happy to help: [elaine@orbitoregon.com](mailto:elaine@orbitoregon.com)

01:54:14 George Jaeger: Thank you everyone!

01:54:16 Teresa: Thank you all

01:54:17 Katie Raney: Thanks everyone! This was awesome!!

01:54:25 Ali Jackson, Sciencenter, Ithaca NY: Thank you all for your awesome participation and questions!

01:54:26 Garrison: This was wonderful and helpful. Thank you

01:54:27 Sondra Geddes, AERO Institute, Palmdale, CA: Thank you

01:54:29 Ocean McIntyre Solar System Ambassadors - North Hollywood, CA:  
Thank you evertone