



# What's in Your 2018 Explore Science: Earth & Space Toolkit

Online Workshop Summary of Resources  
2-6-2018

---

## Online Workshop Presenters

- Ali Jackson, Sciencenter
- Ethan Kruszka and Thai Chang, Science Museum of Minnesota

## Recording of the Online Workshop on Vimeo

- <https://vimeo.com/254728264>

## Workshop and Explore Science: Earth & Space Toolkit Resources

- Explore Science: Earth & Space toolkit general information  
<http://nisenet.org/earthspacekit>  
Reminder: NISE Net partners who received a 2018 Explore Science: Earth & Space physical toolkit are required to complete an online report by June 15, 2018 (report coming online soon)
- Explore Science: Earth & Space 2018 digital toolkit (and list of all resources provided in physical toolkit)  
<http://www.nisenet.org/earthspacekit-2018>
- Explore Science: Earth & Space 2017 digital toolkit (and list of all resources provided in physical toolkit)  
<http://www.nisenet.org/earthspacekit-2017>
- Explore Science: Earth & Space toolkit training videos (including content, activity, and misconceptions)  
<https://vimeopro.com/nisenet/explore-science-earth-space>
- Explore Science: Earth & Space Toolkit Activity Overview slides for staff and volunteers  
<http://www.nisenet.org/catalog/explore-science-earth-and-space-2017-toolkit-activity-overview-slides-presenter-notes>
- Explore Science: Earth & Space Event Planning and Promotion Guide  
<http://www.nisenet.org/catalog/explore-science-earth-space-2017-event-planning-and-promotion-guide>

- Explore Science: Earth & Space promotional materials – ads, posters, and banners  
<http://www.nisenet.org/catalog/explore-science-earth-space-2017-promotional-materials%E2%80%94ads-posters-and-banners>
- Explore Science: Earth & Space sample press release  
<http://www.nisenet.org/catalog/explore-science-earth-space-2017-press-photos>

## **2018 Explore Science: Earth & Space Toolkit Activities**

- [Exploring Earth: Paper Mountains](#)
- [Exploring the Solar System: Craters](#)
- [Exploring the Solar System: Hide and Seek Moon](#)
- [Exploring the Solar System: Magnetic Fields](#)
- [Exploring the Solar System: Mars Rovers](#)
- [Exploring the Solar System: Stomp Rockets](#)
- [Exploring the Universe: Exoplanet Transits](#)
- [Exploring the Universe: Filtered Light](#)
- [Exploring the Universe: Objects in Motion](#)
- [Exploring the Universe: Pack a Space Telescope](#)

## **Relevant NISE Net Online Workshops**

- Museum Community Partnerships – Part 3: Working with the Solar System Ambassadors and Night Sky Network  
<http://www.nisenet.org/catalog/online-workshop-museum-community-partnerships-part-3-working-solar-system-ambassadors-and>
- Learn More about the 2018 Explore Science: Earth & Space Toolkit recording and resources  
<http://www.nisenet.org/catalog/online-workshop-learn-more-about-2018-explore-science-earth-space-toolkit-recorded>
- What's in Your Explore Science: Earth & Space Toolkit 2017 recording and resources  
<http://www.nisenet.org/catalog/online-workshop-whats-your-explore-science-earth-space-toolkit-2017-recorded>
- An Online Discovery of NASA and Other Earth and Space Related Resources  
<http://www.nisenet.org/catalog/online-workshop-online-discovery-nasa-and-other-earth-and-space-related-resources-recorded>

## Workshop Q&A

**Q: How many sign stands come with each activity? Some of ours had 2, some had 1.**

A: One stand is included per activity for the signs, and then we'll also add an extra stand if it's required for an info or safety sheet.

**Q: Where can you get more of the scientific instrument stickers for the stomp rockets? I did not see a link in the guide sheets but maybe I missed it.**

A: These were custom printed for physical toolkit, but print your own files can be found in digital toolkit (online and on USB thumb drive). You'll just print the artwork onto sticker paper and either cut them out or invite visitors to cut them out.

**Q: Who develops the activities? NISE Net staff or NASA? Both?**

A: Activities are developed by NISE Net and evaluated with public audiences and reviewed by educators, advisors, and science subject matter experts for quality and accuracy.

**Q: How did you 'field test' these activities?**

A: Activities in the toolkit were all evaluated by several different institutions on the floor with public audiences. Survey data was collected and the materials were improved and modified. Each activity is also reviewed by an external group of education advisors and external subject matter experts.

**Q: Have these been collated with the Common Core grade level objectives? We are trying to align our offerings to school groups with them.**

A: The toolkit and activities are not developed for Next Generation Science Standards (NGSS) but the NISE Net is hosting an online workshop on March 20, 2018, "[NGSS and the Explore Science: Earth & Space Toolkit – Connecting Your Toolkit to Field Trips and K-12 Programs](#)," which will discuss how the toolkit activities can support the three dimensions of NGSS and excite students about science.

**Q: For those who don't have a physical kit, can you talk a bit about next year's process for applying for a physical kit?**

A: We don't have any more of the 2017 or 2018 Explore Science: Earth & Space toolkits available, but you can [download the digital toolkits](#). The 2019 toolkit competitive application will open in September 2018. Sign up for the newsletter to get the most up to date information from the Network about project opportunities: <http://nisenet.org/newsletter>

*NISE Net's Upcoming Online Workshops: <http://nisenet.org/event-type/online-workshop>*



Developed and distributed by the National Informal STEM Education Network.

Copyright 2017, Science Museum of Minnesota. Published under a Creative Commons Attribution-Noncommercial-ShareAlike license: <http://creativecommons.org/licenses/by-ncsa/3.0/us/>

This material is based upon work supported by NASA under cooperative agreement award number NNX16AC67A. 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).