



**ONLINE  
WORKSHOPS**

# NGSS and the Explore Science: Earth & Space Toolkit – Connecting Your Toolkit to Field Trips and K-12 Programs

Online Workshop Summary of Resources  
3-20-2018

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## Online Workshop Presenters

- Lindsay Bartolone, M.S., Science Education
- Linda Shore, Astronomical Society of the Pacific
- Becky Wolfe, The Children’s Museum of Indianapolis

## Recording of the Online Workshop

- <https://vimeo.com/261512259>

## Workshop Resources

- **A Framework for K-12 Science Education**  
<https://www.nap.edu/catalog/13165/a-framework-for-k-12-science-education-practices-crosscutting-concepts>
- **Three Dimensional Learning**  
<https://www.nextgenscience.org/three-dimensions>
- **Earth and Space Science Topics in NGSS**  
[https://www.nextgenscience.org/search-standards?keys=&tid\\_3%5B%5D=94](https://www.nextgenscience.org/search-standards?keys=&tid_3%5B%5D=94)
- **Learning In Informal Environments**  
<https://www.nap.edu/catalog/12190/learning-science-in-informal-environments-people-places-and-pursuits>
- **Lifelong and Life-Wide Learning graphic**  
<https://www.nap.edu/read/12190/chapter/5#29>
- **STEM Teaching Tool Brief**  
<http://stemteachingtools.org/brief/38>

- **Supporting the Implementation of NGSS through Research: Informal Science Education**  
[https://www.narst.org/NGSSpapers/Informal\\_Science\\_Education\\_June2014.pdf](https://www.narst.org/NGSSpapers/Informal_Science_Education_June2014.pdf)
- **STEM Teaching Tool Brief: Anchor Phenomena**  
<http://stemteachingtools.org/assets/landscapes/STEM-Teaching-Tool-28-Qualities-of-Anchor-Phenomena.pdf>
- **Here, There and Everywhere video**  
<http://hte.si.edu/video.html>
- **Liberty Bell 7 curriculum guide written by The Children’s Museum of Indianapolis**  
<https://www.childrensmuseum.org/sites/default/files/Documents/Educators/TCMLIBERTYBELL31AUG2017hires.pdf>

## 2018 Explore Science: Earth & Space Digital Toolkit Resources

- **Exploring the Solar System: Pocket Solar System activity**  
<http://www.nisenet.org/catalog/exploring-solar-system-pocket-solar-system>
- **Exploring the Universe: Pack a Space Telescope activity**  
<http://www.nisenet.org/catalog/exploring-universe-pack-space-telescope-2018>
- **Download digital toolkit**  
<http://www.nisenet.org/earthspacekit-2018>
- **Explore Science: Earth & Space toolkit training and content videos**  
<https://vimeopro.com/nisenet/explore-science-earth-space>



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