



**ONLINE
WORKSHOPS**

Online Workshop: Earth & Space Science for Early Learners

Online Workshop Summary of Resources
6-4-2019

Online Workshop Presenters

- **Dawn Baldwin**, Children's Museum of Science & Technology
- **Anne Drake**, Great Lakes Children's Museum
- **Anna Hurst**, Astronomical Society of the Pacific
- **Katie Julsrud**, Children's Museum of Eau Claire
- **Stephanie Kadum**, Stepping Stones Museum for Children
- **Emily Belle**, Sciencenter

Recording of the Online Workshop on Vimeo

- <https://vimeo.com/340665168>

Online Workshop Links and Resources

General Links and Resources

- Learn more about NISE Network projects: <http://www.nisenet.org/projects>
- Learn more about the Earth & Space project: <http://www.nisenet.org/space>
- My Sky Tonight: <https://www.astrosociety.org/MySkyTonight>

NISE Network Resources

- Explore Science: Earth & Space toolkits- <http://www.nisenet.org/earthspacekit>
- Earth & Space toolkit training videos: <https://vimeopro.com/nisenet/explore-science-earth-space>
- Apply for the 2020 Earth and Space toolkit: <http://www.nisenet.org/earthspacekit-apply>

NISE Net and ASP Activities

- Hide & Seek Moon
 - ASP MST version: https://www.astrosociety.org/early_learners/hide_seek_moon.pdf
 - NISE version: <http://nisenetwork.org/catalog/exploring-solar-system-hide-and-peek-moon-2018>
- Bear's Shadow
 - ASP MST version: https://www.astrosociety.org/early_learners/bears_shadow.pdf
 - NISE version: <http://nisenetwork.org/catalog/exploring-earth-bears-shadow>

- Breakfast Moon: <http://www.astrosociety.org/breakfastmoon>
- Explore Science: Filtered Light: <http://www.nisenet.org/catalog/exploring-universe-filtered-light-2018>
- Explore Science: Stomp Rockets: <http://www.nisenet.org/catalog/exploring-solar-system-stomp-rockets-2018>
- Exploring Science: Ice Orbs: <http://www.nisenet.org/catalog/exploring-universe-ice-orbs>
- Explore Science: Bear's Shadow: <http://www.nisenet.org/catalog/exploring-earth-bears-shadow>
- Explore Science: Orbiting Objects: <http://www.nisenet.org/catalog/exploring-universe-orbiting-objects>
- Explore Science: Imagining Life: <http://www.nisenet.org/catalog/exploring-universe-imagining-life>
- Explore Science: Pocket Solar System: <http://www.nisenet.org/catalog/exploring-solar-system-pocket-solar-system>
- Explore Science: Big Sun, Small Moon: <http://www.nisenet.org/catalog/exploring-solar-system-big-sun-small-moon>
- Explore Science: Solar Eclipse: <http://www.nisenet.org/catalog/exploring-solar-system-solar-eclipse>
- Explore Science: Rising Seas: <http://www.nisenet.org/catalog/exploring-earth-rising-sea>
- Lunar Landscape: https://www.astrosociety.org/early_learners/lunar_landscape.pdf
- Creating Craters: https://www.astrosociety.org/early_learners/creating_craters.pdf
- Explore Science: Craters: <http://www.nisenet.org/catalog/exploring-solar-system-craters-2018>
- Explore Science: Stomp Rockets: <http://www.nisenet.org/catalog/exploring-solar-system-stomp-rockets-2018>
- Explore Science: Mars Rovers <http://www.nisenet.org/catalog/exploring-solar-system-mars-rovers-2018>
- Moon Phases Matching: https://www.astrosociety.org/early_learners/moon_phases_matching.pdf

Additional Resources

- Resource for incorporating science practices with early learners. Preschool Pathways to Science: Facilitating Scientific Ways of Thinking, Talking, Doing, and Understanding by Rochel Gelman Ph.D., Kimberly Brenneman Ph.D., Gay Macdonald M.A., and Moises Roman <https://products.brookespublishing.com/Preschool-Pathways-to-Science-PrePS-P573.aspx>
- National Association for the Education of Young Children: <https://www.naeyc.org/>
- Explore Science: Earth & Space Event Planning, Program, and Partnership guide: http://www.nisenet.org/sites/default/files/exsci_space_planningpartnershipprogramguide_2019.pdf
 - Tips for Interacting with Pre-K Children is found on page 31 of the 2019 Earth & Space program guide: <http://www.nisenet.org/earthspacekit-2019>
- My Sky Tonight/Astronomy for young children (including PD opportunities): <https://www.astrosociety.org/education/early-learners-2/>
- Sun, Earth, Universe Exhibition: <http://www.nisenet.org/sunearthuniverse>

- Educator Resources from the Sciencenter, including information about science process skills and early childhood learning frameworks: <http://www.sciencenter.org/tools-resources.html>
 - Collaborative for Early Science Learning (CESL) for more about efforts to engage families and educators in activities for early learners: <http://csl.nsta.org/2017/11/itty-bitty-science/>
- Engaging families and young children in Earth & space science content concurrent session from the 2019 NISE Net Partner Meeting: http://www.nisenet.org/sites/default/files/session_c_-_young_children_-_nise_net_2019_partner_meeting.pdf

NISE Network Upcoming Online Workshops

- <http://nisenet.org/event-type/online-workshop>



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