Resource List for Tools and Training for Starting a Successful Space and Earth Science Virtual Public Program

Friday, October 16, 2020 - 3:00-5:00 pm ET

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Resources Shared in Workshop

Recommendations for best practices while engaging learners online

- 5 Strategies To Improve Your Online Teaching | eLearning Industry
  https://elearningindustry.com/5-strategies-improve-your-online-teaching

- 9 strategies for effective online teaching | Pearson Blog
  https://www.pearsoned.com/9-strategies-for-effective-online-teaching/

- 3 ways to make remote learning more engaging | ISTE
  https://www.iste.org/explore/learning-during-covid-19-2

- The Keys to Sustainable Online Programming? Partnerships and Professional Development
  https://www.aam-us.org/2020/10/16/the-keys-to-sustainable-online-programming-partnerships-and-professional-development/

Original Solar System Trading Cards from NASA JPL

https://solarsystem.nasa.gov/resources/2482/solar-system-and-beyond-trading-cards-complete-set/

NISE Net General Resources

- National Informal STEM Education Network Homepage: https://www.nisenet.org/
- Coronavirus specific resources, information and updates: https://www.nisenet.org/coronavirus
- NISE Net Do Science at Home Resources: https://www.nisenet.org/athome
- Explore Science: Earth & Space Toolkits:https://www.nisenet.org/earthspacekit

Example NISE Net Explore Science: Earth & Space activities suitable for at-home audiences

- Exploring Earth: Paper Mountains https://www.nisenet.org/catalog/exploring-earth-paper-mountains-2018
- Exploring the Universe: Imagining Life (printable activity) https://www.nisenet.org/catalog/exploring-universe-imagining-life
- Exploring the Solar System: Pocket Solar System (printable activity) https://www.nisenet.org/catalog/exploring-solar-system-pocket-solar-system
- Exploring the Solar System: Mars Rovers https://www.nisenet.org/catalog/exploring-solar-system-mars-rovers-2018
- Exploring the Solar System: Asteroid Mining (printable activity) https://www.nisenet.org/catalog/exploring-solar-system-asteroid-mining-2020

NASA's Universe of Learning Resources:

- NASA's Universe of Learning Homepage: https://www.universe-of-learning.org
- Astropix: https://astropix.ipac.caltech.edu
- ViewSpace Interactives: https://viewspace.org/interactives/unveiling_invisible_universe#start_exploring
- ViewSpace Video Library: https://viewspace.org/video_library
- ViewSpace Exhibit Labels: https://viewspace.org/resources/exhibit_labels
- NASA's UoL Informal Learning Network: https://www.universe-of-learning.org/informal-learning
- NASA's UoL Science Briefings: https://www.universe-of-learning.org/science-briefings
- NASA's UoL at Home: https://www.universe-of-learning.org/universe-at-home
- Universe Unplugged: https://universeunplugged.ipac.caltech.edu/#videos
- NASA's Eyes on Exoplanets:eyes-on-exoplanets
- Subject Matter Expert Roles and ways to engage: https://www.universe-of-learning.org/smeroles?rq=subject%20matter%20expert
- ASTC Communities of Practice: https://www.astc.org/membership/communities-of-practice/

OpenSpace

- OpenSpace website (download the software, access resources): openspaceproject.com
- Example virtual OpenSpace programs: www.openspaceproject.com/videos
- Kahoot! quizzes based on OpenSpace programs:
  https://create.kahoot.it/pages/6e51a1c3-230d-4cbb-b3ad-6cc55c4cee4b
- Get in touch with the OpenSpace Team:
  - openspace@amnh.org
  - Join Support Slack
  - Github

NASA's Museum Alliance

- Public homepage
  https://informal.jpl.nasa.gov/museum/
- Public calendar
  https://informal.jpl.nasa.gov/museum/calendar
- Become a member for access to everything else:
  https://informal.jpl.nasa.gov/museum/About/Application

NASA Solar System Ambassadors

  https://solarsystem.nasa.gov/solar-system-ambassadors/events/

Collaborative Chat (Ryver)

- New users, join at bit.ly/astc2020ma
- Already using Museum Alliance's Ryver? Look for the "ASTC 2020" forum at
  museumalliance.ryver.com
- Tutorial video – key for setting your preferences!
  https://youtu.be/YUc1rPO2MGA
- Overview for Alliance members
  https://informal.jpl.nasa.gov/museum/content/team-chat-tutorial

Going Further with Online Learning & Resource Discover

- Howtosmile Digital Library of the STEM activities
  https://www.howtosmile.org/

- The Ultimate Guide to Virtual Museum Resources | MCN
  https://mcn.edu/a-guide-to-virtual-museum-resources/