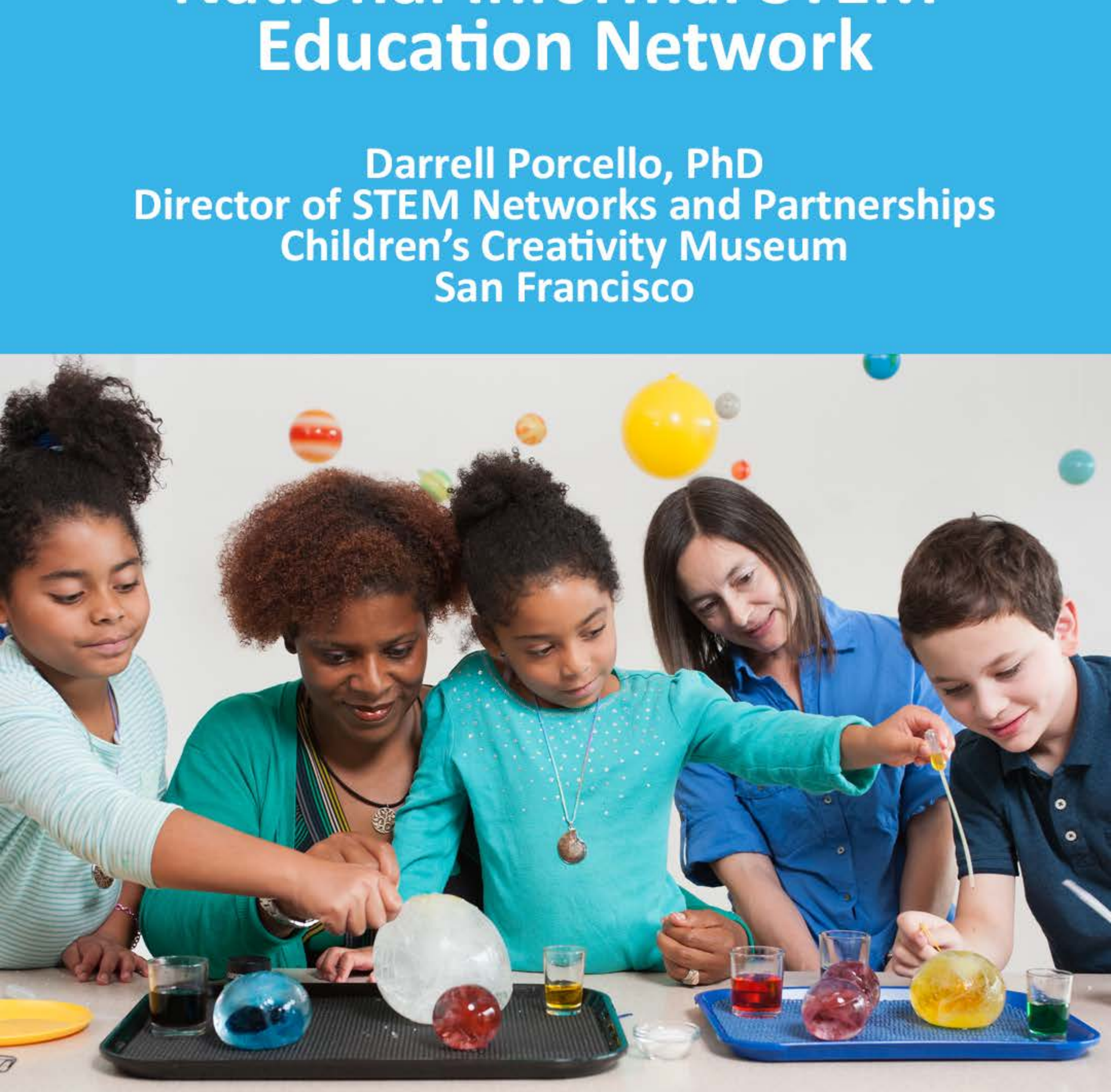
EXPLORE SCIENCE
Earth & Space

NISE
NATIONAL INFORMAL
STEM EDUCATION
NETWORK

2019 Updates from the Earth & Space Project of the National Informal STEM Education Network

Darrell Porcello, PhD
Director of STEM Networks and Partnerships
Children's Creativity Museum
San Francisco



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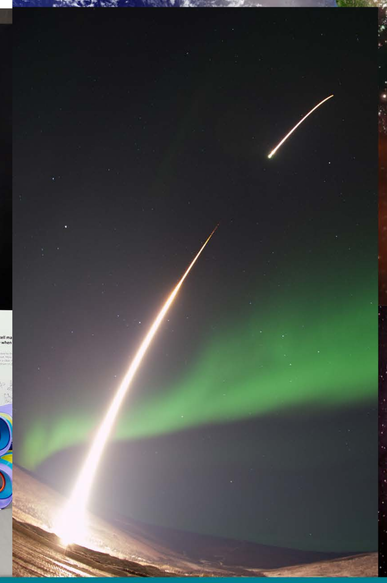
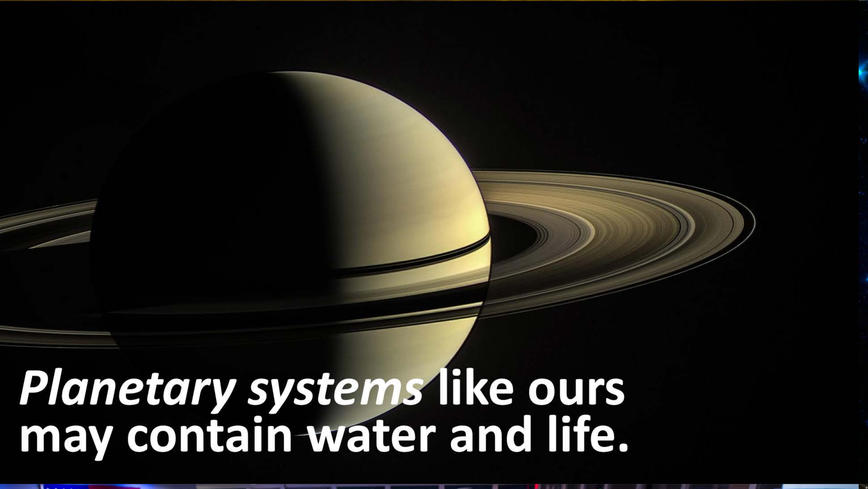


Exhibition

Toolkits

Professional Development



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Experience Earth and space *phenomena* and explore scientific discoveries.

Use the scientific *process* and reflect on science as a way of knowing.

Participate in the scientific community and identify as a science learner.

Exploring the Solar System: Observe the Sun

- Great connections to NASA's amazing data set from the Solar Dynamics Observatory
- Strong emphasis on real science tools
- Conversation starter for the changing nature of the Sun and observations of real solar phenomena
- Tactile Sun sheets included for diverse audiences

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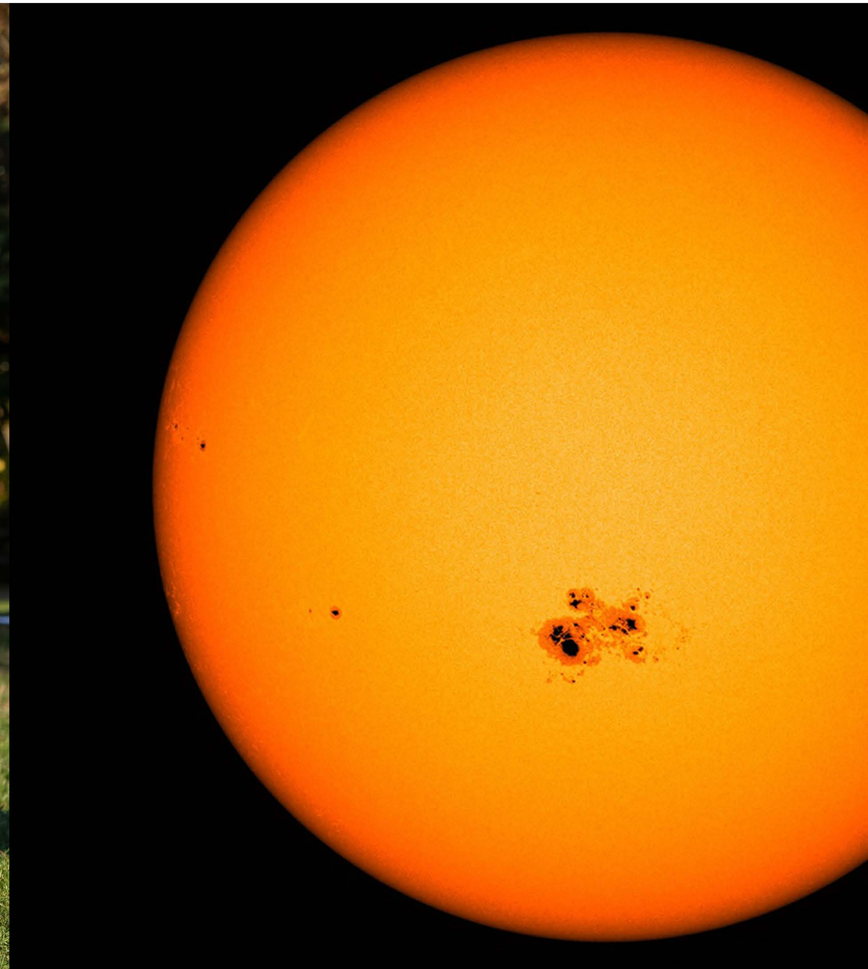

Exploring the Solar System: Hide and Seek Moon

- Adapted existing activity with strong inquiry
- Good early learner STEM experience for our children's museum partners & great science tools
- Nice literacy and cultural connections with related to the included children's book
- Perfect Apollo anniversary connection opportunity

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Exploring the Universe: Static Electricity

- Building a real science tools to make observations about forces and energy around you
- Great connections to lightning on Earth and other planets in our solar system
- Good stories about safety procedures when building NASA spacecraft

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Upcoming 2020 toolkit: Design, Build, Test

- Hands-on and engaging experience of the engineering process to create a NASA spacecraft
- Strong connections to the science tools used on real NASA missions through construction pieces
- Shake and spin tests similar to NASA spacecraft testing
- Toolkit application is open, 350 awards: nisenet.org/earthspacekit-apply

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Learn more and get all these resources at nisenet.org/space

Apply for the 2020 toolkit nisenet.org/earthspacekit-apply

Thank you!

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