

# Beg, Borrow, and Steal... Multi-generational STEAM Programming Ideas for Our Planet: EARTH

03.12.2020

**The webinar will begin at 2:00 p.m. (MT) and will be recorded.**

**While you're waiting:**

- 1) Find the toolbar – it will either be on the bottom or top of your Zoom window
- 2) Introduce yourself in the chat box (**please select “Share with All” not “Share with Panelists”**)
- 3) Click audio “Join by Computer” – you won’t have microphone access

Tip for viewing: You can resize and move the location of the video and slide screens by clicking and dragging them

# Facilitator Introduction

March 12, 2020

- **Brooks Mitchell** (Space Science Institute / STAR Library Network)
- **Claire Ratcliffe** (Space Science Institute / STAR Library Network)
- **Jenny Shonk** (Finger Lakes Library District, NY)

# Today's Agenda

- **Welcome and Introductions**
- **Discussion**
- **Earth Science Trivia**
- **Hands-on STEM: Nurturing Life**
- **“Beg, Borrow, Steal” (Jenny Shonk)**
- **Discussion**

# Expectations / Guidelines

- **Try to use the Q&A feature for questions**
- **When using Chat – make sure your messages are being sent to “All Participants and Attendees”**
- **The best part of our webinars is interacting and engaging with you all – don't be shy!**

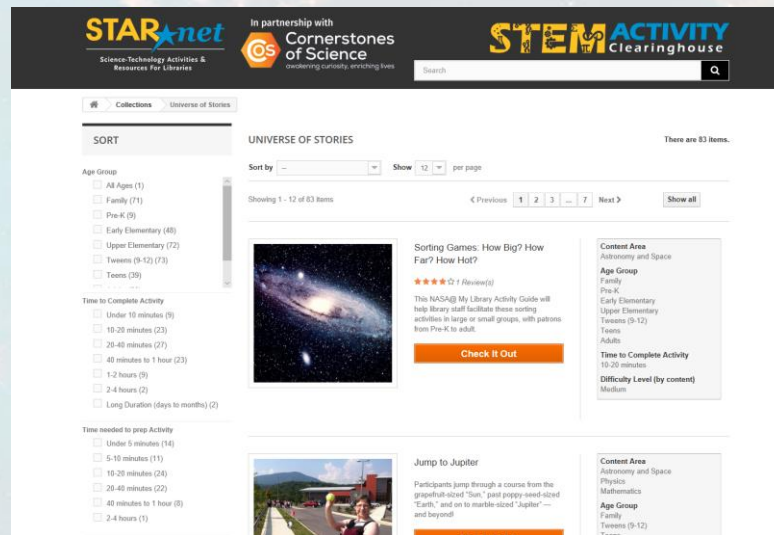


# Poll Question

Has your library been busy with Census 2020 planning?

- No
- A little
- Yes
- It's all I'm doing!!

# STEM ACTIVITY Clearinghouse



Like an activity and think other library staff should know how great it is? Didn't like an activity or have modifications to make it better? [Make sure to leave a review!](#)



A national campaign for libraries & their communities

This campaign is sponsored by NASA through STAR Net's *NASA@ My Library* program that is managed by the Space Science Institute.

# Why Now?

- This national campaign is an outgrowth of three converging events during April 2020:
  - Citizen Science Month,
  - the 50th Anniversary of Earth Day,
  - and the recent adoption by ALA of “sustainability” as a new core value of librarianship. Every community can and must make a difference.





# Campaign Goals

- 1) Provide libraries with rich and effective resources that they can use to develop engaging environmental programs,
- 2) Promote citizen science opportunities, and
- 3) Build lasting collaborations around environmental sustainability both within the library community and beyond.



Register your Library by April 30<sup>th</sup>:

[www.starnetlibraries.org/our-planet-earth/](http://www.starnetlibraries.org/our-planet-earth/)

# Poll Question

Have you signed up for *STAR Net's* Our Planet: EARTH campaign?

- Yes
- No

# Upcoming Webinars

[starnetlibraries.org/resources/webinars](http://starnetlibraries.org/resources/webinars)

## *Community Dialogues for Our Planet: EARTH*

Thursday, March 26, 2020 at 4:00 p.m. (ET), 3:00 p.m. (CT), 2:00 p.m. (MT), 1:00 p.m. (PT)

Wednesday, April 15, 2020 at 2:00 p.m. (ET), 1:00 p.m. (CT), 12:00 p.m. (MT), 11:00 a.m. (PT)

**Presenters: Anne Holland and Stephanie Vierow-Fields (SSI)**

## *Bringing the Stories of the Skies to Your Library*

Thursday, April 9, 2020 at 3:00 p.m. (ET), 2:00 p.m. (CT), 1:00 p.m. (MT), 12:00 p.m. (PT)

**Presenters: Christine Shupla (LPI), Claire Ratcliffe, Brooks Mitchell (SSI)**



# Group Discussion

Have you had experiences with your programming where an unintended age group shows up? Share what happened

# Why Multigenerational Programming is Important



- Higher attendance: adults are more likely to come to a program if they can bring kids/grandkids.
- The library is a family setting – parents can't just leave siblings at home.
- Libraries are one of the few community spaces where all ages comingle.
- Intergenerational programming helps reflect the image of libraries as the heart of the community.
- Patron connections: different generations to learn with each other and learn ABOUT each other.
- Structures family time and often continues after they leave the building.

**What are your thoughts?**

# Earth Science Trivia

- Hosting a “family trivia night” at your library is a great chance for multigenerational involvement
- Tier your questions so there are questions appropriate for all ages
- You don’t need prizes; but it could be a good chance to get rid of some older or donated books!



# Earth Science Trivia (for Kids)

The Earth is the [BLANK] planet from the Sun?

- First
- Second
- Third
- Fourth
- Fifth
- Sixth
- Seventh
- Eighth



# Earth Science Trivia (for Kids)

What do you call someone who studies rocks?

- Meteorologist
- Biologist
- Rock-star
- Geologist

# Earth Science Trivia (for Kids)

What do you call molten rock before it has erupted?

- Lava
- Geyser
- Metamorphic
- Magma
- Caldera

# Earth Science Trivia (for Kids)

Which of these is considered a type of **green energy**?

- Wind turbine
- Gasoline
- Burning wood
- Natural gas

# Earth Science Trivia (for Kids)

What part of the plant is a potato?

- A. The stem
- B. The root
- C. The leaf
- D. The flower



# Earth Science Trivia (for Adults)

What causes the Earth's seasons?

- A. The Earth's elliptical orbit around the sun.
- B. Earth's tilted axis.
- C. The sun's orbit around the Milky Way.

# Earth Science Trivia (for Adults)

How long can the oldest whale species live?

- A) 75 years
- B) 100 years
- C) 200 years
- D) 400 years

# Earth Science Trivia (for Adults)

The world's smallest mammal is a species of...

- Mouse
- Bat
- Primate
- Salamander
- Feline

# Earth Science Trivia (for Adults)

You are at the Kennedy Space Center, sitting in your rocket, ready to launch. You look out the window and view the sky. You are currently sitting at the lowest level of the atmosphere. What is this level called?

- Exosphere
- Mesosphere
- Stratosphere
- Troposphere
- Thermosphere





## Life on Mars? Nurturing Life

A garden can be a reminder of life's needs and our connection to the planet we call home. Children consider the requirements of living things and compare the surface conditions on Mars to those found on Earth as they plant gardens. Gardening tips and options for indoors and outdoors are provided.

[Open Activity](#)[How-to Video](#)[Teacher's Guide](#)[Write a review](#)[Tweet](#)[Share](#)[Google+](#)[Pinterest](#)[Send to a friend](#)[Print](#)

### RELATED PROGRAMMING RESOURCES

#### Facilitator Guide

#### [Facilitator Guide](#)

##### Websites:

[Searching for Other Planets Like Ours - Space Place in a Snap!](#)  
[Globus, AJ \(May 07, 2016\). "Space Settlement Basics."](#)  
[Will We Ever Colonize Mars?](#)  
[Mars Exploration Program](#)  
[Mars in Our Solar System](#)  
[What is Mars?](#)

##### Images:

[Mars Exploration](#)  
[Illustrated Instructions with Captions](#)  
[Illustrated Instructions \(no captions\)](#)  
[Pat Rawlings](#)

#### Related Links

## Activity Demonstration: Life on Mars? Nurturing Life

Create a take-home garden to learn about the requirements for life, and how we look for life on other planets!

**Includes Illustrated Instructions!**





# Beg, Borrow, & Steal!

Multi-generational STEAM  
Programming Ideas for  
**Our Planet: EARTH**



**Jenny Shonk**

[jshonk@flls.org](mailto:jshonk@flls.org)



# Why invest in Adult Programming?





# Beg, Borrow, & Steal!

## Beg... For Help & Donations!

- Build partnerships! (#1 tip)
- Solicit volunteers and donations

## Borrow...Supplies!

- Borrow tools or other non-consumable products from friends, family, and patrons
- Borrow from local businesses and then promote them

## Steal...Great Ideas!

- EVERYTHING IS AVAILABLE ON THE INTERNET!!!
- Network with local libraries
- Follow other libraries on social media





# Crafty Ideas

- » Book Folding ([Link 1](#), [Link 2](#))
- » [Cork Crafts](#)
- » [Planning](#)
- » [T-Shirt Tote Bag](#)
- » [Upcycling](#)







# Fun & Interactive Programs

- » [Human Library](#)
- » [Mythbusting](#)
- » [Solverspaces](#)
- » Tech Training
- » [Ted Talks](#)
- » Trivia Night
- » Yoga or Kinesiology



# Into the Woods

- » Hiking Book Club
- » Hiking Safety
- » Nature Walk
- » Smart Phone Photography
- » Wildcrafting or Foraging





# Resources

- » [STARnet Libraries Clearinghouse](#)
- » [STARnet Libraries Our Planet: EARTH](#)
- » [5 Minute Librarian](#)
- » [Collaborative Summer Library Program Manual](#)
- » [Demco Adult Programming Calendars](#)
- » [LibraryProgramming.org](#)
- » [Programming Librarian](#)
- » [Public Libraries Online: Adult Programming](#)
- » [Public Libraries Online: Senior Programming](#)
- » [Slides Carnival](#)
- » [WebJunction Webinars](#)

**Jenny Shonk**

Continuing Education & Outreach Librarian  
Finger Lakes Library System

[jshonk@flls.org](mailto:jshonk@flls.org)



# Group Discussion

What multigenerational programs have worked well in your library?

# Group Discussion

What are potential negatives of facilitating multigenerational programs?

# Group Discussion

Does your library do an Earth Day-style celebration?

Does your library do other Earth science-based programming?

Share!