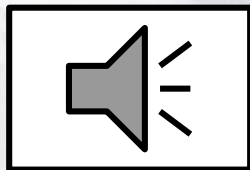


Crowd-pleasing Hands-on Activities for Your Eclipse Programs

April 26, 2017



Audio problems? Click the “communicate” button at the top of your screen. Then click “test audio.”



Can you see the video feed?

If not, please click “Participants” at the top right.

Presenter



Keliann LaConte
Professional Development Manager
National Center for Interactive
Learning/Space Science Institute
Boulder, Colorado

www.nc4il.org

www.starnetlibraries.org

Join the *STAR_Net* Community!

www.starnetlibraries.org/register

- *STAR_Net* News
- Blogs
- Forums
- Webinars/Conferences

STEM ACTIVITY Clearinghouse



Why Do Eclipses Happen? (Yardstick Eclipse...)

Using simple materials, participants explore the vast distance between the Earth and Moon and model how solar and lunar eclipses happen.

[Open Activity](#)

Report broken link

[How-to Video](#)

Content Area

Astronomy and Space

Age Group

Family
Upper Elementary
Twins (9-12)
Teens
Adults

Time to Complete Activity

20-40 minutes

Cost associated with Activity Materials

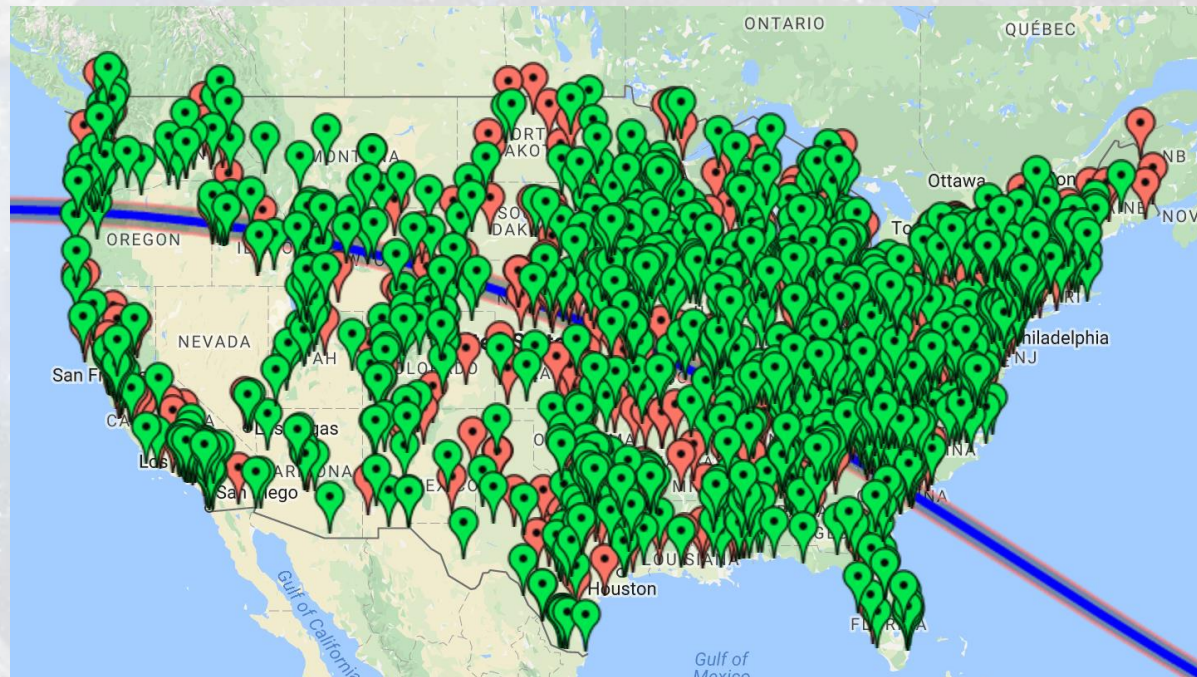
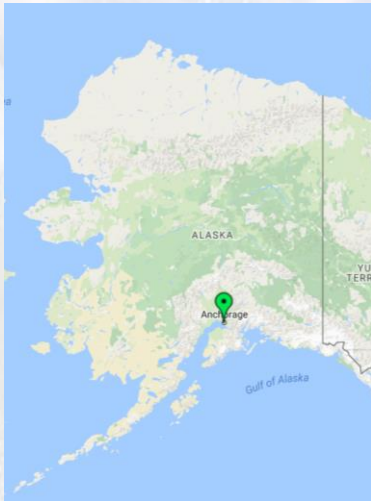
\$5-\$10

Difficulty Level (by content)

Medium

[View Details](#)

Join 2,100+ Libraries in Celebrating the Solar Eclipse!



www.starnetlibraries.org/2017eclipse

How Far?

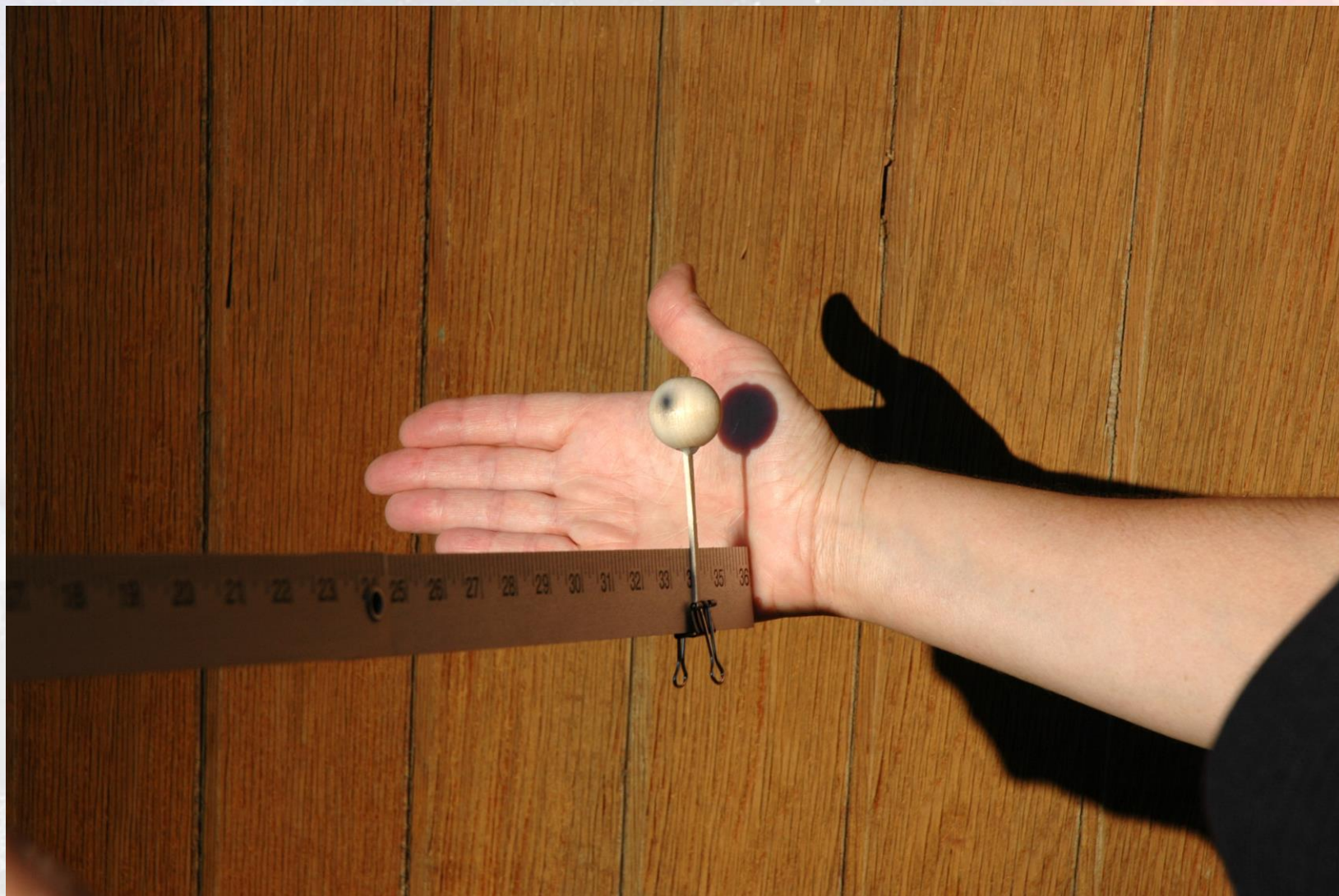


- 1" "Earth" ball
- 1/4" "Moon" bead

...30 inches apart

Modeling Meaningful Eclipses (Yardstick Eclipse Demonstration)





How Can the Little Moon Hide the Giant Sun?

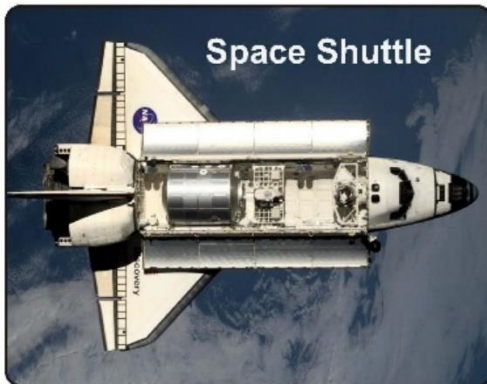


Sorting Games: How Big? How Far? How Hot?

Lions



Space Shuttle



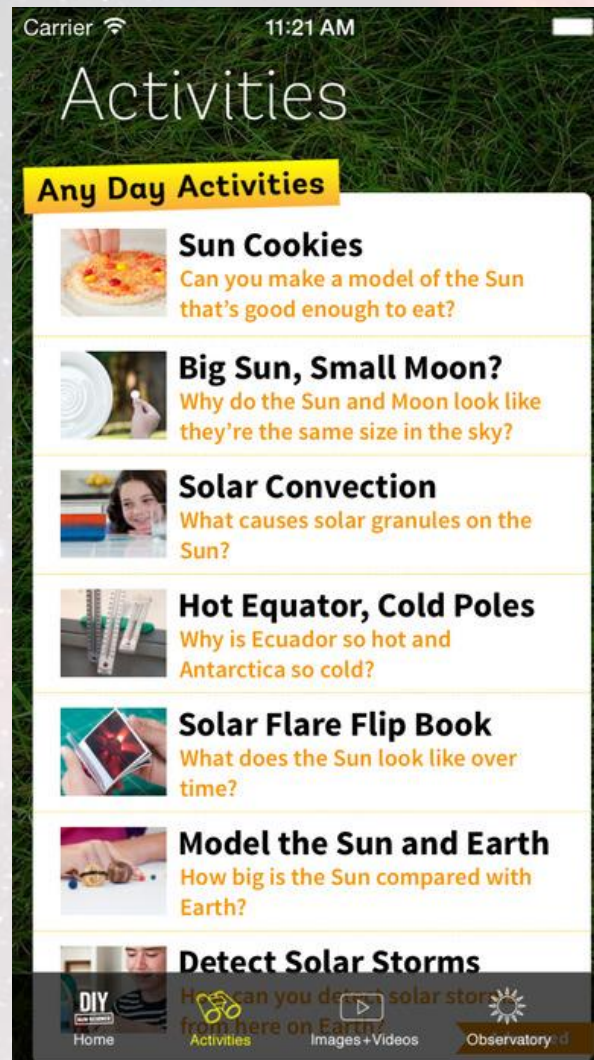
- Sort the images in groups

How Big? Card Set: Smallest to Largest

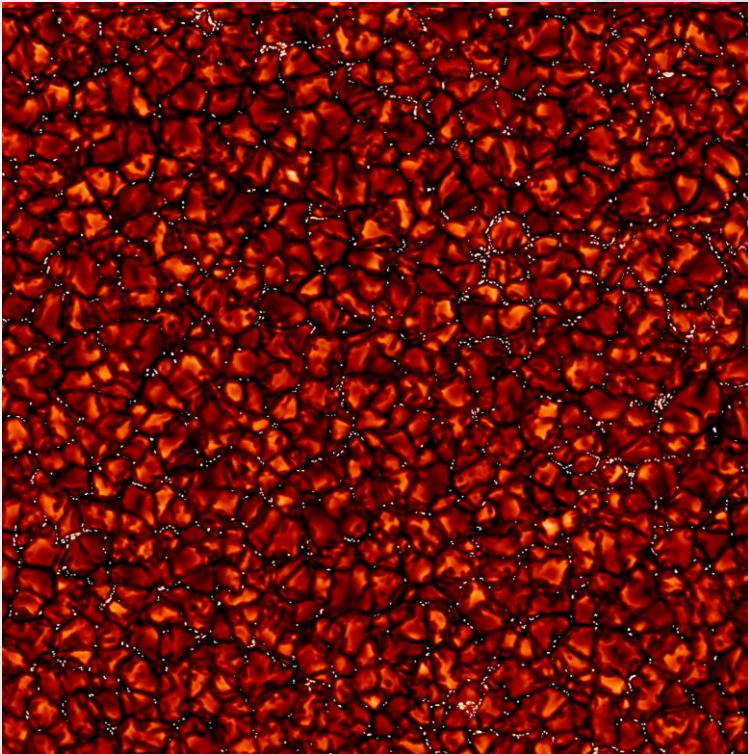
- | | |
|-----------------------------------|-------------------------|
| 1. Lions | 7. Jupiter |
| 2. International
Space Station | 8. Sun |
| 3. Asteroid Ida | 9. Solar System |
| 4. Moon | 10. Galaxy |
| 5. Mars | 11. Cluster of Galaxies |
| 6. Earth | |

Incorporate Technology!

DIY Sun App

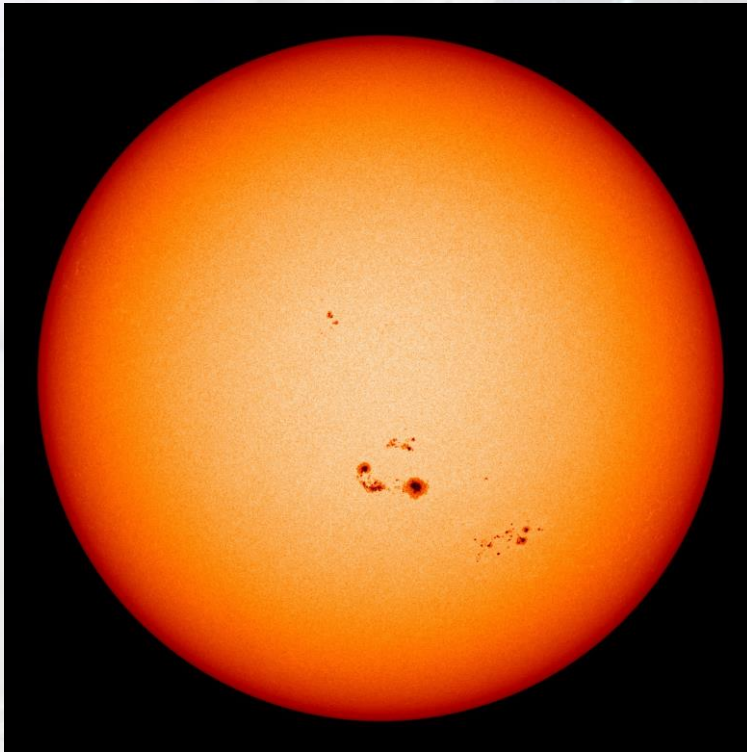


Sun Cookies



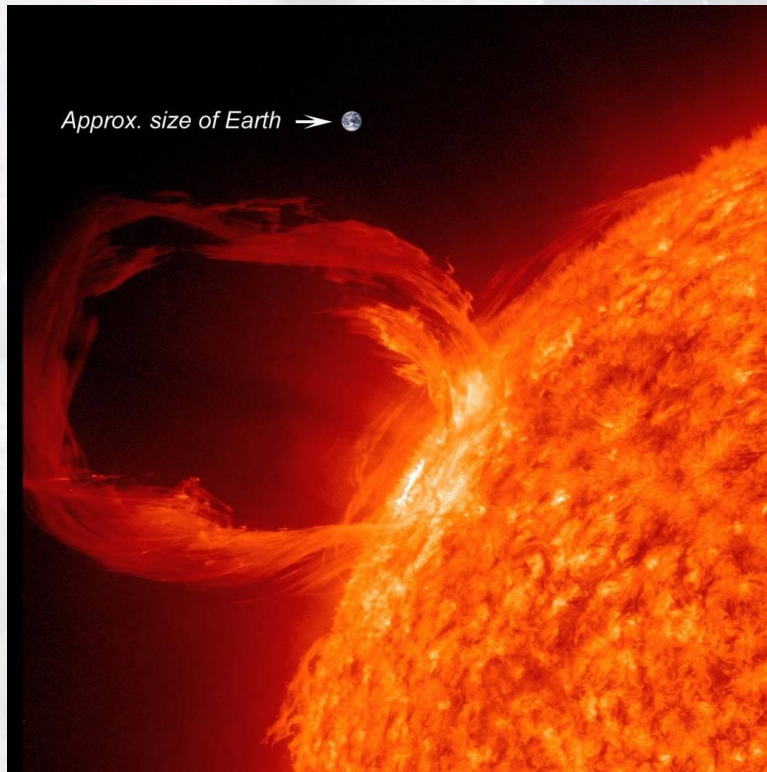
- Sugar sprinkles: gas rising up from the Sun's core make Texas-sized features on the Sun called **solar granules**.

Sun Cookies



- Candy pieces: cooler areas of the Sun appear as darker **sun spots**. Sun spots come in pairs, so add the candy pieces two at a time!

Sun Cookies



- Licorice strands: hot gas erupts from the Sun in looping arcs called **solar prominences**.

Incorporate Technology!

SciGames.org

SciGames.org

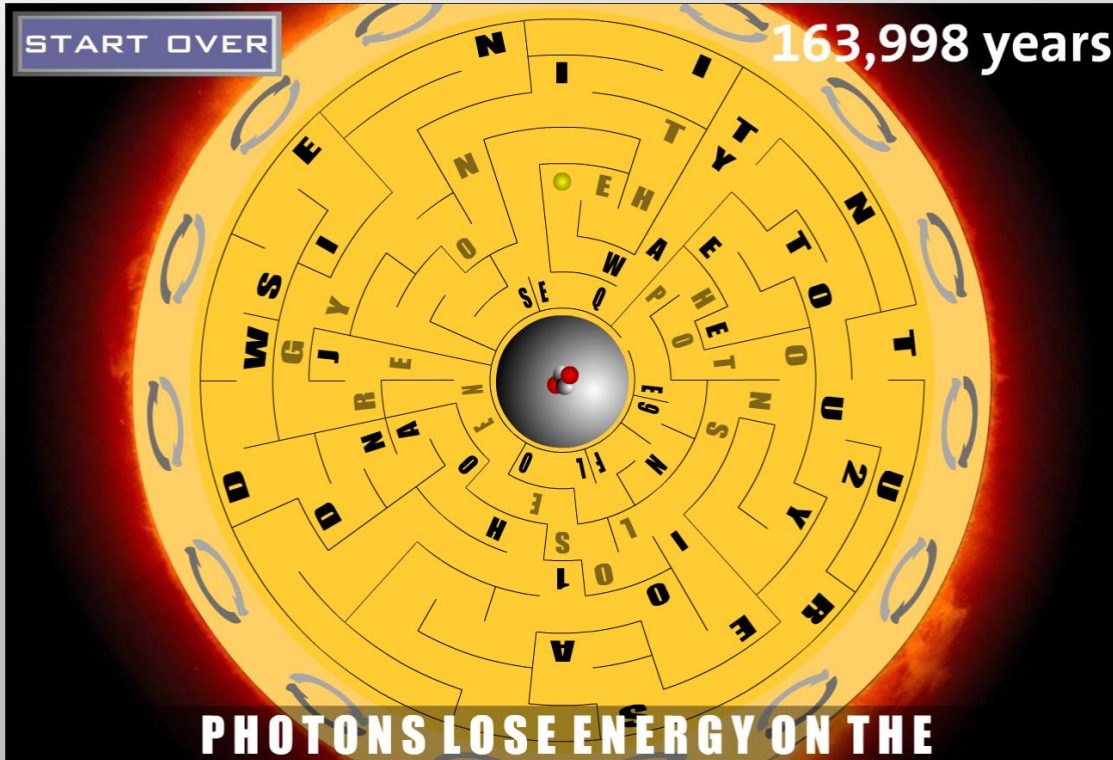
THE GREAT ESCAPE

CLOSE 

START OVER

163,998 years

WWW.SPACEWEATHERCENTER.ORG



PHOTONS LOSE ENERGY ON THE



SOUND

CHECK OUT THE APP FOR
ANDROID AND IOS AT

WWW.SCIGAMES.ORG/APPS

Thank you! Keep in Touch!

STAR_Net

www.starnetlibraries.org

www.facebook.com/STARLibraries

twitter.com/STARNet_Project

https://www.surveymonkey.com/r/STAR_Net