

Join an International Lunar Celebration

September 6, 2018

Presenters: Brooks Mitchell and Vivian White

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

While you're waiting:

- 1) Introduce yourself in the chat box and answer our poll question
- 2) Click audio "Join by Computer" you won't have microphone access
- 3) On the bottom toolbar, click on "Chat" and "Q&A"













Today's Agenda

- Introduction and Reminders
- Hands-on Activity: "Crater Creations"
- Vivian White (Astronomical Society of the Pacific)
- A Quick Look at Lunar Trek
- Q&A













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Professional development resources, including webinars, newsletters, blogs, forums, videos, and much more!









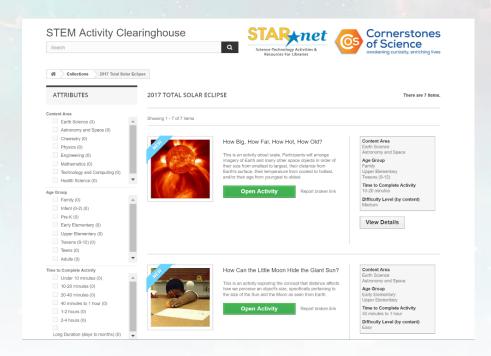




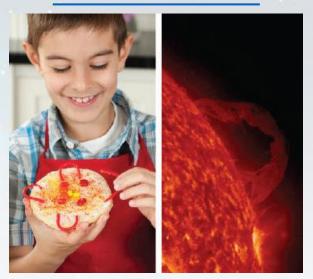








For example: **DIY Sun Cookies**



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!













Upcoming and Archived Webinars

www.starnetlibraries.org/resources/webinars

Out-of-this-World Engineering

Wednesday, September 26, 2018 at 4:00 p.m. (EDT), 3:00 p.m. (CDT), 2:00 p.m. (MDT), 1:00 p.m. (PDT)

Past Webinars to Check Out:

"How Your Library Can Celebrate Lights on Afterschool"

"A Universe of NASA Resources"

"The Parker Solar Probe Launch"

"NASA Partnerships in Your Own Backyard"

"International Observe the Moon Night" - 2017













Upcoming Conferences

www.starnetlibraries.org/resources/conferences

- Association of Rural and Small Libraries (ARSL)
 - 9/13-9/15
- Colorado Association of Libraries (CAL)
 - 9/13-9/15
- Association of Science and Tech Centers (ASTC)
 - 9/29 10/2
- Young Adult Library Services Association (YALSA)
 - 11/2 11/4











InOMN Resources

Free poster to download

https://moon.nasa.gov/resources/173/intern ational-observe-the-moon-night-poster/

Register your program!

https://moon.nasa.gov/observe-themoon/register/

Upcoming InOMN Dates:

- October 20, 2018
- October 5, 2019
- September 26, 2020





































Crater Creations

www.clearinghouse.starnetlibraries.org





INTERNATIONAL OBSERVE THE MOON NIGHT AND THE NIGHT SKY NETWORK

CONNECT WITH ASTRONOMY CLUBS TO MAKE YOUR LUNAR CELEBRATION REALLY SHINE!

VIVIAN WHITE, ASTRONOMICAL SOCIETY OF THE PACIFIC VWHITE@ASTROSOCIETY.ORG

It is a beautiful and wonderous sight to behold the body of the Moon...

GALILEO GALILEI, 1610 First views of moon via telescope



#observethemoon

MOON.NASA.GOV/OBSERVE

















NASA NIGHT SKY NETWORK

nightskynetwork.org

- 420+ Astronomy Clubs across the US
- Telescopes, experts, materials
- Free hands-on activities for anyone
- Night Sky Planner find out what's up!



Pima County Library star party with Tucson Amateur Astronomy Association

Night Sky Network

Astronomy Clubs bringing the wonders of the universe to the public



CONNECT WITH ASTRONOMY CLUBS



Great resource for InOMN and year-round!

- Plan ahead Request an event on NSN
- Indoors, outdoors, lecture or hands-on
- Working with astronomy clubs
- Library telescope program



OUTREACH RESOURCES

bit.ly/nsnmoonnight

SKYWATCHER'S GUIDE TO THE MOON

Impact!

The Moon's cratered surface tells a violent story. Bright areas are ancient crust that make up the highlands. Dark areas are newer regions of lava that formed after asteroid impacts.

Copernicus

This crater (left) is easy to spot. It formed about 800 million years ago, and is 57 miles (92 km) wide. Note central peaks and terraced walls, caused by impact.

What do you see on the Moon?

Face south and look up in the sky.

Can you find the Moon?

Compare the Moon in the sky to the large Moon map below. The Moon map shows the side of the Moon that is always facing us. How much of the Moon in the sky is lit up right now? You will only see the features on the part of the Moon that is lit up.

Through a telescope, you may need to turn the map to match your view of the Moon in the eyepiece. Some telescopes will flip the image, so the Moon might look like the image to the right through a telescope.



Mare Serenitatis The Sea of Serenity is solid lava, some 380

miles (610 km) across.

Mare Crisium The Sea of Crisis

is about 340 miles

and visible to the naked eye.

wide (550 km)

Aristarchus — Young crater. So bright that Sir William Herschel thought it was an active volcano.

Kepler Small version of Copernicus

Grimaldi

Lava-filled crater is one of the darkest spots you can see on the Moon. It's 145 miles wide (233 km).

Mare Humorum

The Sea of Moisture is about 220 miles (350 km) across. You can spot it with the naked eye. With a telescope, you might notice two craters along its edge.

Apollo 12y14

Apollo 16

Young crater best seen during a full Moon. Rays of bright material are ejecta blasted out of the crust when a large asteroid struck about 109 million years ago.

Mare Tranquillitatis

The Sea of Tranquility is a smooth plain filled with once-moliten lava that welled up from below after an impact billions of years ago. The first humans to walk on the Moon, Apollo 11 astronauts, landed near the edge.

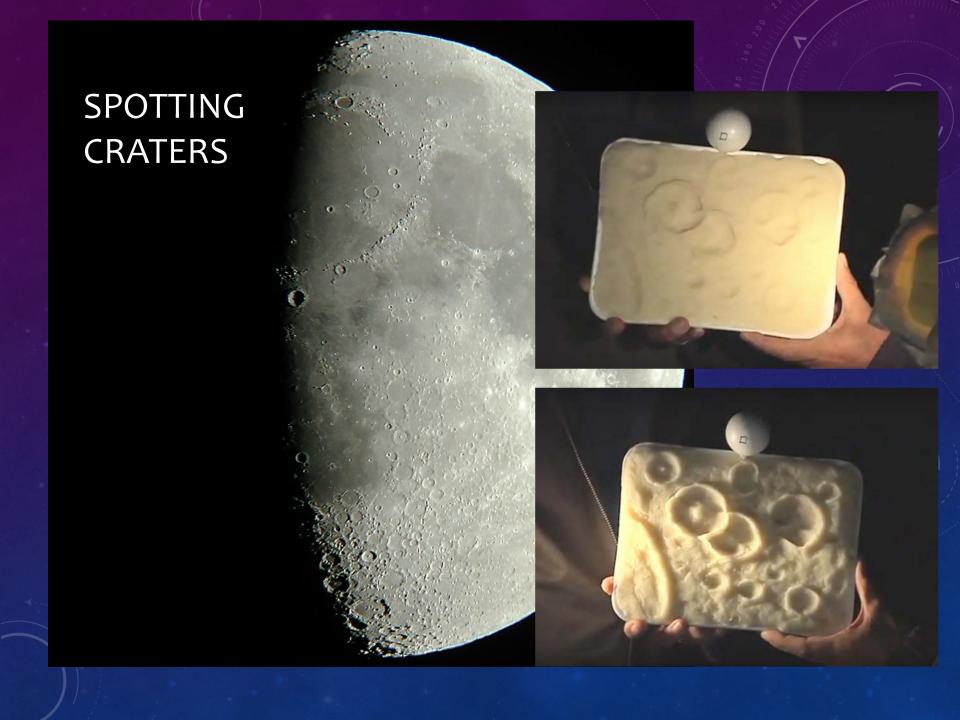
SOURCES: NASA; ADVANCED SKYWATCHING; CAMBRIDGE ATLAS OF ASTRONOMY; DKVISUAL ENCYCLOPEDIA

Photos: James Scala. Layout and text for Moon map used with permission: Robert Roy Britt/SPACE.com.

 $NASA\,Night\,Sky\,Network\,(nightsky,jpl.nasa.gov)\,administered\,by\,Astronomical\,Society\,of\,the\,Pacific\,(www.astrosociety.org)$







MY SKY TONIGHT

Activities for 3 to 5-year-olds

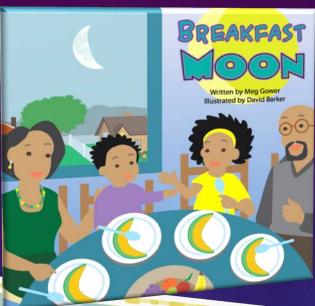
Developmentally appropriate science practices

















MOONBEAR'S SHADOW

A TOONSEAR Rook



• FRANK ASCH •

AIGO LICATION NEXT GIANT LEAP

RESOURCES FOR INTERNATIONAL OBSERVE THE MOON NIGHT

moon.nasa.gov/observe

bit.ly/nsnmoonnight











Questions?

(Please use the Q&A Function)









