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
Join STAR Net!
www.starnetlibraries.org

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

For example:

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/international-observe-the-moon-night-poster/

Register your program!
- https://moon.nasa.gov/observe-the-moon/register/

Upcoming InOMN Dates:
- October 20, 2018
- October 5, 2019
- September 26, 2020
Universe of Stories
Summer 2019

NASA@ My Library and STAR Net are partnering with the Collaborative Summer Library Program to support 16,000 libraries.

Please join us!!
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*
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!

Night Sky Network
Astronomy Clubs bringing the wonders of the universe to the public

Pima County Library star party
with Tucson Amateur Astronomy Association
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 (870) 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?

Mare Serenitatis
The Sea of Serenity is solid lava, some 380 miles (616 km) across.

Artemis
Young crater. So bright that Erasmus Williams Herschel thought it was an active volcano.

Mare Tranquillitatis
The Sea of Tranquility is a smooth plain filled with once-molten 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.

Keppler
Small version of Copernicus.

Mare Crisium
The Sea of Crises is about 346 miles wide (557 km) and visible to the naked eye.

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

Aristarchus
Young crater. So bright that it was thought to be an active volcano.

Tycho
Young crater best seen during a full Moon. Rays of bright material are ejected out of the crust when a large asteroid struck about 106 million years ago.

Mare Humorum
The Sea of Moisture is about 220 miles (355 km) across. You can spot it with the naked eye. With a telescope, you might notice two craters along its edge.


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

Activities for 3 to 5-year-olds
Developmentally appropriate science practices
BOOKS

“Found the breakfast moon!”
Arthur called out before I was
even out of bed.

I didn’t see it right away because
the sky was dotted with clouds. The
moon was playing hide-and-seek.

Day 3
moon

Day 3
moon shapes

Day 3
waffle

Day 3
boat

Day 3
FRANK ASCH
RESOURCES FOR
INTERNATIONAL OBSERVE THE MOON NIGHT

moon.nasa.gov/observe
bit.ly/nsnmoonnight
Questions?

(Please use the Q&A Function)