MOON PHASES CALENDAR AND CALCULATOR (N. HEMISPHERE)

HOW TO USE:

Use this moon phases calendar and calculator to find out when moon phases are visible throughout the year and where to spot the Moon in the sky. First, turn the top Viewing Wheel to a date or date range for which you would like to know the moon phase and/or viewing location. Then turn the Moon Phases Wheel so that the phase on the wheel matches what’s pictured on the date you have selected. Be sure the black arrow on the Moon Phases Wheel is pointing to the correct date on the Calendar Wheel. (Note: The Calendar Wheel shows the dates when moon phases occur in the Pacific Time Zone.) Once the wheels are aligned, you will see approximately when (in local standard time) the moon will rise in the east, be overhead while facing south and set in the west for that particular date. In the center of the Viewing Wheel, you will also see a view of Earth and the Moon as seen from space, above Earth’s Northern Hemisphere.

For more about the Moon, explore these online resources from NASA:

Activities for Students: go.nasa.gov/MoonActivities
Lessons for Educators: go.nasa.gov/MoonLessons
NASA’s Moon Website: moon.nasa.gov
INSTRUCTIONS:
Using pencil or a black pen or marker, shade in the moon phases on the reverse side according to the labels. Start with the new moon at 12PM and add the seven other moon phases in order, going counterclockwise. Be sure to color in the moon phases correctly, otherwise your calculator will not work properly!

Unsure of the moon phases?
Make a Moon Journal, first:
go.nasa.gov/MoonJournal
1. Match the Moon Phases Wheel with the moon phase on the calendar.
2. See when and where to spot the moon.

**2021 MOON EVENTS**
- **APR 26** Supermoon
- **MAY 26** Total Lunar Eclipse & Supermoon
- **NOV 18-19** Partial Lunar Eclipse

**Above Earth's N. Hemisphere**

**VIEW IN SPACE**

**OVERHEAD**


*Visibility may vary*
VIEWING WHEEL

STACK ON TOP OF MOON PHASES WHEEL, THIS SIDE DOWN.

TAPE MOONSET PANEL HERE

TAPE MOONRISE PANEL HERE

TAPE MOONSET PANEL HERE

TAPE MOONRISE PANEL HERE

PUNCH HOLE

POKE HOLE