

girl scouts
of wisconsin
badgerland
Service Unit 12
May 4, 2024



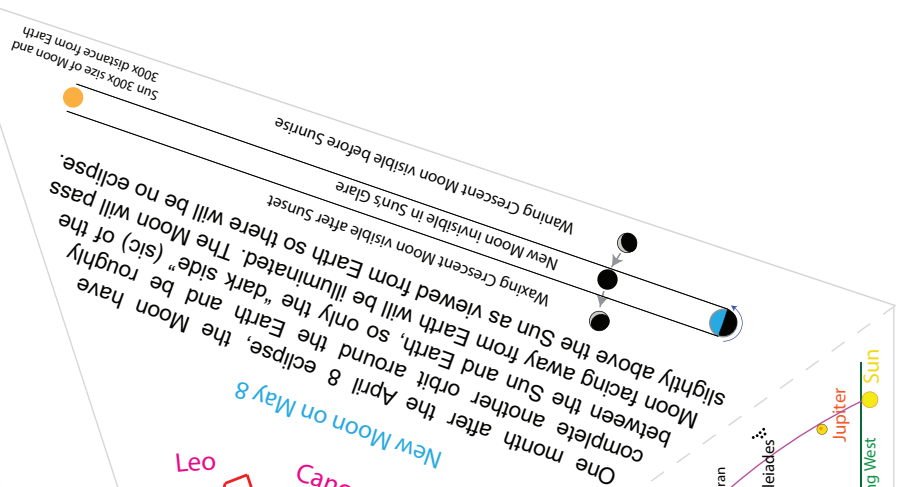
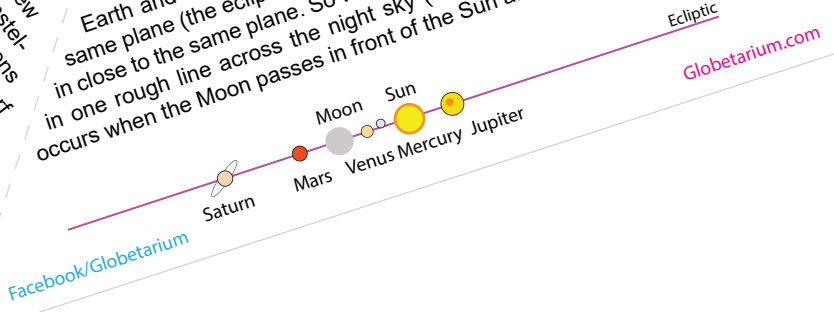
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"New Star" to appear in next few months
About every 80 years a bright "nova" or seemingly new star appears in the Northern Crown (Corona Borealis) constellation. A dim pair of stars orbiting each other suddenly brightens when enough material from the red giant star shifts to the white dwarf star and it explodes. The nova is expected before September.

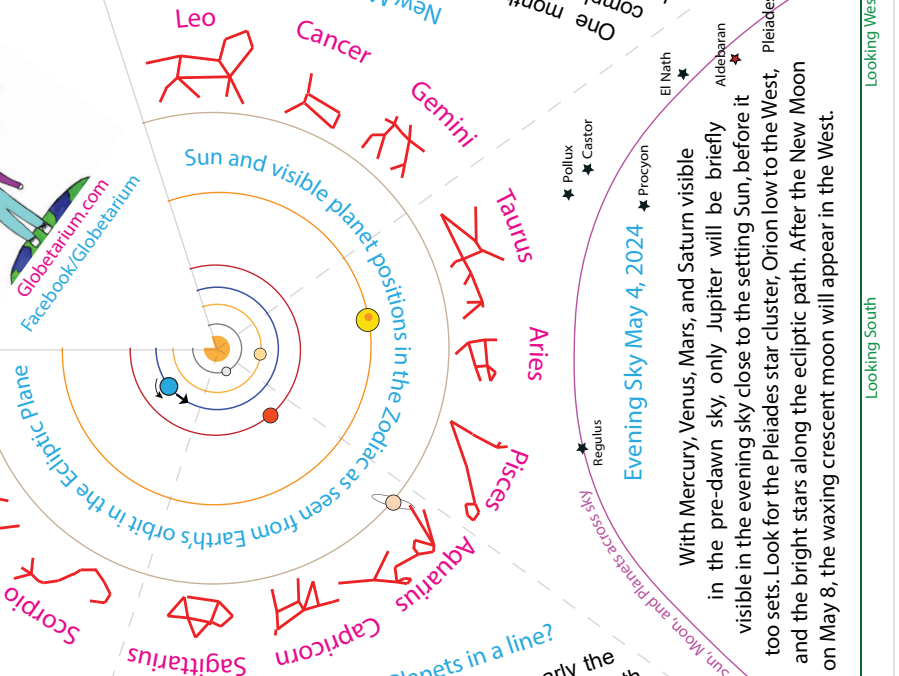


Nova location
Northern Crown

Why are the Sun, Moon, and Planets in a line?
Earth and the visible planets orbit the Sun in nearly the same plane (the ecliptic plane), and the Moon orbits the Earth in close to the same plane. So we see the Sun, Moon, and planets in one rough line across the night sky (the ecliptic). A solar eclipse occurs when the Moon passes in front of the Sun along the ecliptic.



One month after the April 8 eclipse, the Moon have complete another orbit around the Earth and be roughly between the Sun and Earth, so only the "dark side" (sic) of the Moon facing the Sun as viewed from Earth so there will be no eclipse. Slightly above the Sun as viewed from Earth, so the Moon will pass slightly above the Sun and Earth, so only the "dark side" (sic) of the Moon facing the Sun as viewed from Earth, so there will be no eclipse.



Evening Sky May 4, 2024
With Mercury, Venus, Mars, and Saturn visible in the pre-dawn sky, only Jupiter will be briefly visible in the evening sky close to the setting Sun, before it too sets. Look for the Pleiades star cluster, Orion low to the West, and the bright stars along the ecliptic path. After the New Moon on May 8, the waxing crescent moon will appear in the West.

Looking East
Looking South
Looking West

