

# “Under the Same Moon”

Join us for

**Fall Equinox Star Party**

*International Observe the Moon Night*

**Saturday, September 22 at Sunset (about 7:00)**



- NASA
  - Lunar and Planetary Inst.
  - Astronomical Soc. of the Pacific
  - Night Sky Network
  - Morehead Planetarium
- AND
- Astronomers and Stargazers around the world



See the ATFS event location on the interactive map at the InOMN link  
<http://observethemoonnight.org/>

*Carolina Skies*

*Astronomy Club*

**A Time for Science** Nature and Science Learning Center is located off of Highway 11 between Ayden and Grifton in Contentnea Creek Estates. The physical address is **5345 Contentnea Lane, Grifton NC 28530.** There is no charge but pre-registration is requested at the website ([www.atimeforscience.org](http://www.atimeforscience.org)), through email at ([atfs@atimeforscience.org](mailto:atfs@atimeforscience.org)) or by phone at 252-746-4470.



**Introductory InOMN activities will begin at 6:30 pm – rain or shine**

- Citizen Science with Moon Zoo & Others
- Phases of the Moon Hands-on Activity
- Calculate your weight on the Moon and learn other Fun Facts
- Things to look for on the Moon

- + The September equinox and the first quarter moon both fall on September 22 this year. In 2012, the moon reaches its half-lit first quarter phase only about five hours after this year's September equinox.
- + The September equinox, which occurs at 14:49 Universal Time - 10:49 a.m. Eastern Daylight Savings Time - takes place when the sun is at zenith – straight overhead – at the Earth's equator. This magical moment signals the beginning of autumn in the Northern Hemisphere and spring in the Southern Hemisphere. The day of an equinox is the only day of the year that the sun rises due east and sets due west all over the world.

To be part of the 21st century we must make **A TIME FOR SCIENCE** now.  
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