**Open Observatory-at Great Neck South High School Observatory**

Below is our schedule for possible celestial viewing times available for the month of November and December.

All viewing nights are dependent on the weather, make sure to check the website for cancellations about 1 hour before start. \*Also on clear nights I might add an open viewing! Check the website!!

Dress for the weather, the observatory is outside temperature. Bring your phone for pics!!

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| **Date** | **Time** |
| Fri. Nov.1 (before daylight savings change) | 7:00pm (Waxing crescent 23%) |
| Wed. Nov. 6 (after daylight savings change) | 5:00pm (First Quarter 66%) |
| Mon. Nov. 11 Transit of Mercury!! | 7:00AM-10:00 AM (check website!!) |
| Thurs. Nov. 14 | 5:00pm (stars/nebula moon rises later) |
| Fri. Nov. 22 | 5:00pm-late bus (no moon-rises late) |
| Wed. Dec. 4 | 5:00pm (first quarter) |
| Fri. Dec. 13 | 7:00pm (Full Moon-later start) |
| Look back for Jan. schedule and additional dates added due to weather cancellations! |  |

**What can you see on your own??**

**Nov.** You can still look for the summer triangle stars (Deneb, Vega and Altair).Look for Cygnus the swan (also known as the northern cross-at the bottom end look for the double star Albireo. The Pleiades or Seven sisters is visible above the red star Aldebaran. Andromeda Galaxy can be seen in dark sky locations with a pair of binoculars. Leonid meteor shower peaks around Nov. 17.

Monday Nov. 11th from 6:45am-1:15pm is the transit of mercury across the Sun! You can’t view this with the naked eye! Never Look into the Sun directly. Check online for viewings with multiple locations.

**Dec**. This is the “inbetween” time. You can still see some summer constellations and now some winter ones are visible. Orion is back!! Now you can look for Sirius (the brightest star) and look for Orion’s belt. Around Dec. 14 start looking for the Geminids meteor showers with 120 meteors/hour. Venus is back in the sky in the early eve, however Jupiter and Saturn set very soon after the Sun. They will be back in the late Spring!

**Moon info:**

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| **Nov:** |  | **Dec.** |  |
| **First Quarter** | Mon. Nov. 4 | **First Quarter** | Wed. Dec. 4 |
| **Full Moon** | Tues. Nov. 12 | **Full Moon** | Wed. Dec. 11 |
| **Last Quarter** | Tues. Nov. 19 | **Last Quarter** | Wed. Dec. 18 |
| **New Moon** | Tues. Nov. 26 | **New Moon** | Wed. Dec. 25 |