

December 2021

10:00 pm on December 1

9:00 pm on December 15

8:00 pm on January 1

To use this chart: hold the chart in front of you and turn in it so the direction you are facing is at the bottom of the chart.

- **Bright Stars**
- **Medium Stars**
- **Faint Stars**

Scan dark skies with Binoculars:

M-31: The Andromeda Galaxy

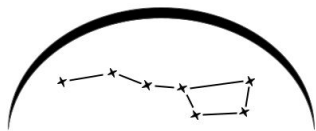
M-42: The Orion Nebula

M-45: The Pleiades Open Star Cluster

As winter approaches, sunrises occur later and sunsets occur earlier. The days are getting shorter! The longest night of the year is on the 1st day of winter, December 21. After that, the days will start to lengthen again.

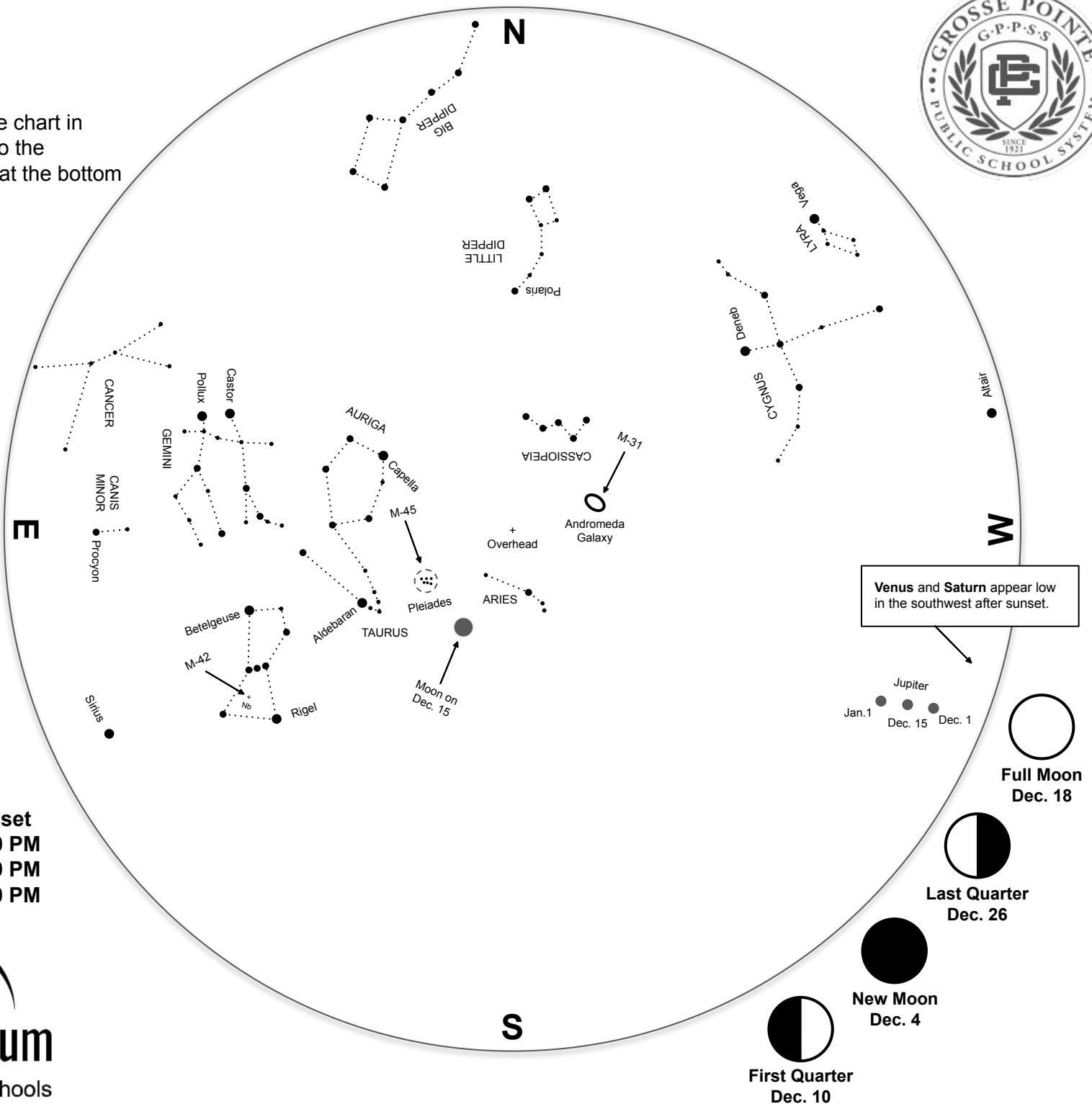
In Detroit:

	Sunrise	Sunset
Dec. 1	7:41 AM	5:00 PM
Dec. 15	7:54 AM	5:00 PM
Jan. 1	8:01 AM	5:10 PM



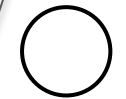
The Planetarium

Grosse Pointe Public Schools



Venus and Saturn appear low in the southwest after sunset.

Jan. 1
Dec. 15
Dec. 1



**Full Moon
Dec. 18**



**Last Quarter
Dec. 26**



**New Moon
Dec. 4**



**First Quarter
Dec. 10**