Use your phone to download **Google Sky Map**. Other options include **Star Chart**, **Star Tracker** and **Night Sky Tools**.

Familiarize yourself with the controls and settings until you feel comfortable with them.

* Find the horizon. Note which directions are north, south, east and west.
* Find all seven planets (and Pluto). Which are above the horizon right now? Which are below?
* Find the zenith and the nadir. What do they represent?
* Find the moon. Is it above the horizon right now, or below? Which planet is (visually) closest to the moon right now? Which phase is the moon in right now?
* Find Polaris. Turn on the grid.
* Find the Ecliptic. What is it? You may need to turn off everything except the planets and the grid function to see. Once you do this, note where the planets are again.
* Find all the constellations in the zodiac (Pisces, Aries, Capricornus, Sagittarius, Taurus, Cancer, Gemini, Libra, Scorpius, Aquarius, Virgo, Leo).
* Where do the constellations in the zodiac all seem to be located? (you should be able to determine the pattern)
* Turn on the Galaxies Function. In which directions does there appear to be higher concentrations of galaxies? How are galaxies often named?