Choose topic by:	Wednesday 28 November	(1 week to choose)
Report DUE:	Wednesday 12 December	(2 weeks to research)
Presentations:	Monday 17 December	(1 week to prepare)

Report (at least 2 pages)

- Typed, double-spaced, 12pt font
- Must use at least three sources (include URL for web pages)

Presentation (5-10 minutes)

- Summarize report
- Large poster board or digital slideshow

Astronomers – Describe the life and work of an astronomer, and why you chose them. Must include place of birth, dates living, major contributions with dates, impacts on his/ her time, effects on our understanding of astronomy. Here's a (very) few astronomers...

- Aryabhata
- Nicolas Copernicus
- John Dobson
- Frank Drake
- Galileo Galilei
- Stephen Hawking
- William Herschel
- Edwin Hubble
- Johannes Kepler
- Charles Messier
 - Vera Rubin
 - Carl Sagan

- Karl Schwarzchild
- Carolyn S. Shoemaker
- Jill Tarter
- Clyde Tombaugh
- Neil deGrasse Tyson
- Ibn al-Shatir

Astronomical Object or Topic — Describe an astronomical object or topic in detail, and why you chose it. For objects, must describe where the object can be found, how it can be observed, who/when/how it was discovered, its composition, its energy state, effects on other things, and its lifecycle. For other topics; who/what/when/where/how, and impact.

 Ancient Observatories or Instruments — Antikythera Mechanism, Armillary, Astrolabe, Orrery Dark Skies Extra-terrestrial Life — Astrobiology, SETI, UFOs Galaxies Black Holes — Blazars, Fiction, Misconceptions Multiples — Binaries, Clusters Nebulae Gravity, Dark Matter or Dark Energy 	 Solar System Asteroids — Main Belt, Near-Earth Objects, Centaurs, Trojans Comets — Oort Cloud Moons — Planetary satellites, Irregular Planets — Exoplanets, Dwarf Planets Trans-Neptunian Objects Space Colonization Stars Magnetars Supernovae Variable Stars — Pulsars, Quasars
 Gravity, Dark Matter or Dark Energy Messier Objects 	 Variable Stars — Pulsars, Quasars

You may choose another topic if approved before topic date. See me at any time during research and preparation for questions or help. We may have one class period before report or presentation date to work on projects. Good luck!