








EARTH AND SPACE – YEAR 5

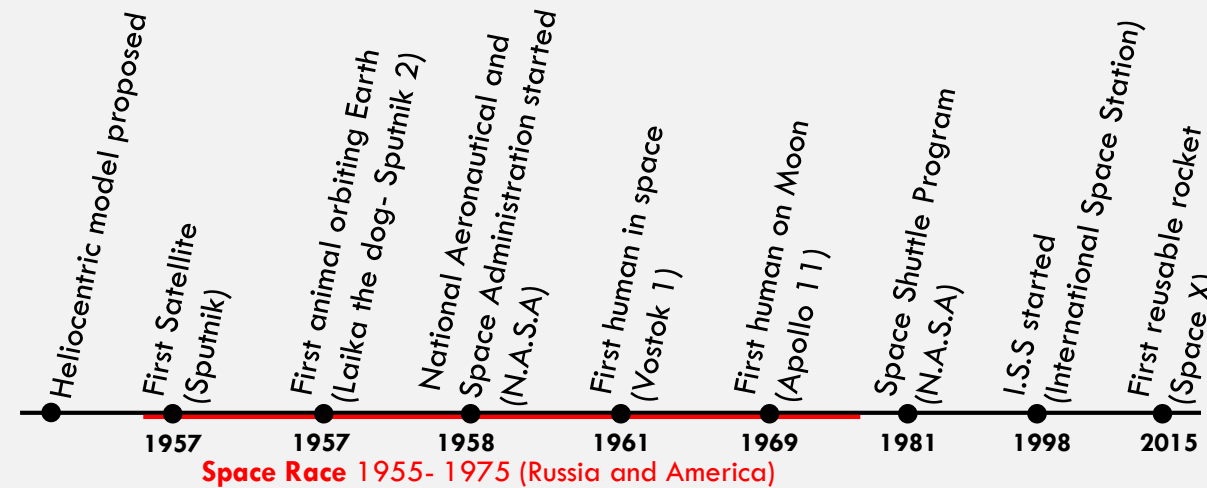
I SHOULD ALREADY KNOW:

- Light from the sun can be dangerous. Protection is necessary.
- Shadows are formed when light from a light source is blocked by an opaque object.
- Unsupported objects fall towards Earth because of gravity.

WHO?

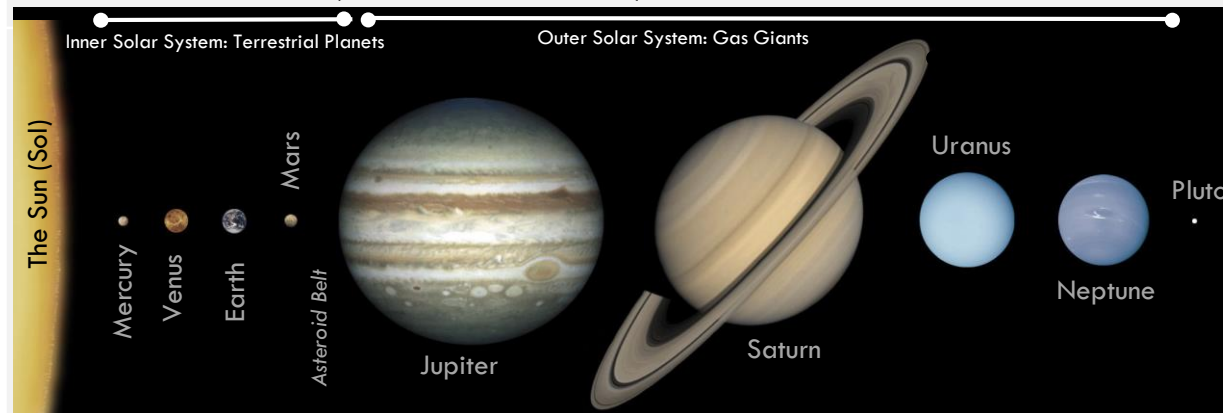
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|--|-----------------------------|--|
|  | Nicolaus Copernicus | Proposed theory of the Heliocentric Model. |
|  | Galileo Galilei | Confirmed Heliocentric Model to be true. |
|  | Yuri Gagarin | First person (Cosmonaut) in space. |
|  | Valentina Tereshkova | First female (Cosmonaut) in space. |
|  | Mae Jemison | First African-American female (Astronaut) in space. |
|  | Neil Armstrong | First person (American Astronaut) on the Moon (1969) |
|  | Tim Peake | First British person (Astronaut) in space (2015) |

WHEN?



WHERE?





THE SOLAR SYSTEM (SUN AND PLANETS)



KEY TERMS:

| | |
|---------------------|---|
| Astronomy | Scientific study of space |
| Celestial | Relating to outer space |
| Eclipse | Celestial body obscuring light |
| Galaxy | System of stars held together by gravity. Ours is "The Milky Way" |
| Geocentric | Earth-centred theory |
| Heliocentric | Sun-centred theory |
| Orbit | Curved path of an object around a celestial body. |

KEY CONCEPTS:

-  Gravity makes large celestial bodies spherical.
-  Planets orbit stars. Earth orbits Sun. **It takes approximately 365 days**
-  Earth rotates on its axis. **24 hours = 1 day**
-  Moons orbit Planets. Luna orbits Earth. **27 Days**

WHAT?

PHASES OF THE MOON (LUNA)

