



WHAT SHOULD I ALREADY KNOW?

- There are planets. I might know some of their names.
- There are stars in space.
- The sun is a star.
- There is little gravity in space.

NOTABLE SCIENTIST

Valentina Tereshkova

Valentina Tereshkova was the first woman to go into space. In 1963, she spent almost three days in space and orbited Earth 48 times in her space capsule, Vostok 6.



That was her only trip into space. Tereshkova later toured the world to promote Soviet science and became involved in Soviet politics.

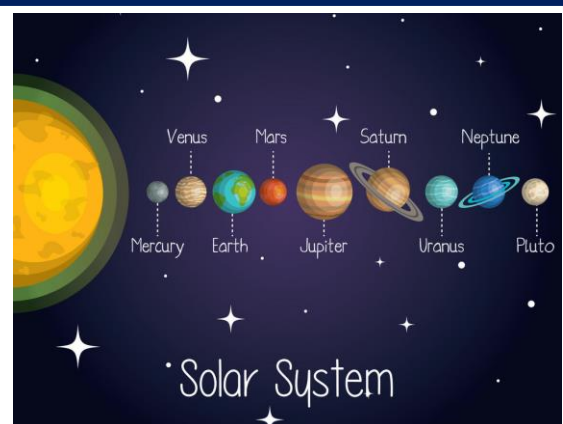
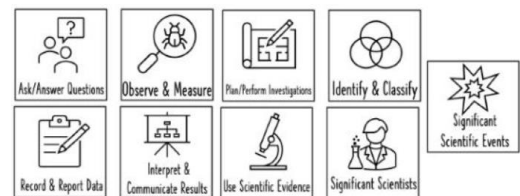
STICKY KNOWLEDGE

- Stars, planets and moons have so much mass they attract other things, including each other due to a force called gravity.
- Objects with larger masses exert bigger gravitational forces.
- Objects like planets, moons and stars spin.
- Smaller mass objects like planets orbit large mass objects like stars.
- Stars produce vast amounts of heat and light. All other objects are lumps of rock, metal or ice and can be seen because they reflect the light of stars.

VOCABULARY

Solar System	Our solar system consists of our star, the Sun, and everything bound to it by gravity for example the planets.
Constellations	A group of stars.
Phases of the moon	The phases of the Moon are the different ways the Moon looks from Earth over about a month.
Astronomer	An astronomer is a scientist who focuses primarily on the study of space, which includes the stars, the planets and the galaxies above us.

WEAVING CONCEPTS



ENQUIRY TYPES

1. Observing changes over time
2. Pattern Seeking
3. Grouping & Classifying
4. Fair Testing
5. Research

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