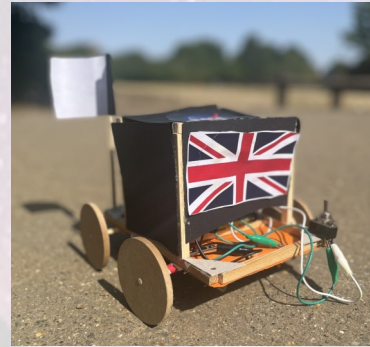


# Space

## Science:

- \* Explain how day and night are caused by the Earth spinning on its axis, turning towards and away from the Sun.
- \* Explain how the seasons are caused by the tilt of the Earth (23.5 degrees) and its orbit around the Sun.
- \* Learn the phases of the Moon: New Moon, Waxing Crescent, First Quarter, Waxing Gibbous, Full Moon, Waning Gibbous, Third Quarter, Waning Crescent.
- \* Discover our Solar System: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto (Dwarf Planet).



## DT

- Create a moving moon buggy using a pulley and axel (a type of mechanism) and electrical circuit. Develop our skills of measuring, sawing and joining with the use of a glue gun..

*Prior learning: In Year 4, we used cam mechanisms to create a moving box toy.*

*We also used saws and glue guns to assemble our toy.*

## Vocabulary

**Axis** — An imaginary straight line that runs through the North Pole and the South Pole

**Orbit** —A repeating path that one object in space takes around another.

**Black hole** —A region of space with a strong gravitational pull which has collapsed in on itself.

**Constellation** — A group of stars that form a pattern.

**Solar system**—the sun and the planets, asteroids, comets, and meteors that revolve around it

**Pulley**—A simple mechanism that uses a wheel with a groove and a band to lead to movement.

**Mechanism**—A system of parts working together to have a particular function.