

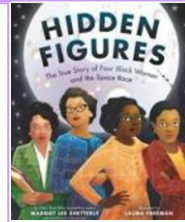
Earth and Space Knowledge Mat

Our exciting text is...

Hidden Figures

By Margot Lee Shetterly

The inspiring true story of four black women who helped NASA launch men into space.



Our enquiry question is...
How do we work together?
Our concept is...
Equality



Vocabulary

Solar system	The collection of eight planets and their moons in orbit round the sun, together with smaller bodies in the form of asteroids, meteoroids and comets.
Orbit	The curved path of a celestial object or spacecraft round a star, planet or moon.
Rotation	Rotation is when something turns or spins around a point/axis located at its centre.
Revolution	An object's orbital motion around another object.
Axis	An imaginary line about which a body rotates
Celestial	Any natural object that exists outside the Earth's atmosphere, including stars, planets, asteroids, comets, and meteoroids.
satellite	An object that orbits another object in space. Satellites may be made by man, or they may be natural. The moon is a natural satellite that orbits the Earth.
gravity	The force that attracts an object towards the centre of the Earth.
heliocentric	The idea that the Earth and other planets revolve around the Sun, which is the centre of the solar system.

Key Knowledge

There are 8 planets in our solar system. In order from the sun, they are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune. (My Very Excited Mother Just Served Us Noodles)

The Earth rotates on its axis in an anticlockwise direction, whilst simultaneously orbiting the sun.

The Earth rotates once every 24 hours and orbits the sun once every $365 \frac{1}{4}$ days (1 year).

Earth's moon is not a planet but is a natural satellite/celestial body which orbits Earth.

The Moon rotates on its axis in an anticlockwise direction, while also orbiting Earth.

The Moon **orbits** around the Earth every 28 days.

Unlike our Sun, the Moon doesn't create its own light. We can only see it because light from the Sun is reflecting off its surface.

The Sun, Earth and Moon are approximately spherical bodies - We say approximately spherical because the Earth bulges around the equator as it is spinning.

Night and day are created by the rotation of the Earth around the Sun.

