

Year 5- Autumn Term 1– Could you walk in Neil Armstrong’s footsteps?

KEY VOCABULARY

Earth	Our planet. The fifth largest planet in the solar system and the third planet from the sun.
Sun	The star in the middle of our solar system.
Planet	A large body in outer space that circles around the sun or another star.
Moon	The Earth’s natural satellite.
Satellite	A small object (sometimes a machine) that moves around a larger object in space.
Solar System	Our sun, its eight planets and their moons, and all other bodies that travel around the sun.
Atmosphere	The layer of gas that surrounds the Earth.
Geocentric	Having the Earth as the centre.
Heliocentric	Having the sun as the centre.
Orbit	The curved path in which a planet, satellite, or spacecraft moves in a circle around another body.
Axis	A real or imaginary line through the centre of an object, around which the object turns.
Rotation	The action of turning on or around an axis.
Gravity	A force which pulls object towards the Earth.
Friction	The force of objects rubbing together.
Air Resistance	The force of air slowing down a moving object.
Water Resistance	The force of water slowing down a moving object.



Katherine Johnson



Katherine Johnson was a mathematician who worked for NASA for more than 30 years. She helped to calculate the flightpath to send Apollo 11 safely to the moon and back again and therefore played a vital role in putting the first astronaut into orbit. Katherine had to overcome gender and racial discrimination since women and black people were rarely given equal opportunities during her career. Her amazing work was relatively unknown until a film was made in 2016 highlighting the invaluable work of ‘hidden figures’ in history. Katherine died in 2020 at the age of 101. NASA dedicated the Katherine G. Johnson Computational Research Facility to commemorate the hard work she did to help take them to the stars.