		Kingsley CP Knov	vledge Orga	iniser	
Science focus		Physics: Earth, Sun and Moon	Year 5		Spring Term 2
What? (Key knowledge)			What? (Key Vocabulary)		
Key scientists			asteroid A rock that orbits the Sun in between Mars and Jupite		
Yuri Gagarin	First man in space on the VOSTOK I spacecraft in 1951 First woman in space in VOSTOK 6 in 1963 First man on the Moon in Apollo II in 1969 First African American woman to travel into space on ENDEAVOUR in		axis	an imaginary line through the mid- dle of something a bright object with a long tail that travels around the Sun an extremely large group ofstars and planets. Our galaxy is called the Milky Way	
Valentina Te- reshkova Neil Armstrong			comet		
Mae Carol Jemison			galaxy		
Chris Hadfield	Studying in our pathways unit 'The		gravity	the force which causes things to drop to the ground	
Tim Peake	Darkest Hour'; completed Canada's first spacewalk in 2001 Most recent Briton to go into space in 2015		leap year	a year which has 366 days. The extra day is the 29th February. There is a leap year every four	
Movement of	Scientific theories. The Earth takes 24 hours (I day) to rotate once on it's axis. The Earth takes 3651/4 days (I year) to orbit the Sun The moon takes 28 days to orbit the Earth The sun is a star at the centre of		orbit	followe	years ved path in space that is d by an object goinground nd a planet, moon, or star
the Sun, Earth and Moon			planet	a large, round object in space that moves around a star	
			shadow	made n	shape on a surface that is then something stands be- a light and the surface
What causes	our solar system The Earth rotates anti-clockwise on it's axis once every 24 hours At any one time, half of the earth is in darkness (night-time) and the other half is in light (day-time) As the Earth rotates, it appears that the Sun movesacross the sky, rising in the East and setting in the West but it is the Earth that is moving not the Sun A moon is the celestial body that orbits a planet The Earth has one moon, Jupiter has 4 moons and numerous small ones The Earth's moon appears to change shape because we can only see the sunlit part of the Moon		Solar System		and all the planets that go round it
day and right?			Universe		of space and all the stars and other forms of matter and energy in it
			Diagrams and symbols		
What is the moon?			NOON PHASES		
Pos	sible e	xperiences	NEW WAXING BU	REAT RUARING GEBOUS	-

- Visit to Jodrell Bank or mobile Planetarium
- •
- Investigate NASA coding Make 3D solar system models •