

Gawber Primary School Science

PHYSICS: The World and Beyond

	FS2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Science Knowledge End Points:	Seasonal changes They make observations of plants and animals and explain why some things occur, and talk about and observe the changes e.g. changes in trees in autumn, weather in each season (The world)	Seasonal changes – - Observe changes across the four seasons - Observe and describe weather associated with the seasons. How day length varies etc	- Identify weather patterns both seasonally and daily - Compare climates and realise how the equator affects temperature - Measure, observe and record weather	Sound – - Identify how sounds are made, associating some of them with something vibrating - Recognise that vibrations from sounds travel through a medium to the ear - Find patterns between the pitch of a sound and features of the object that produced it - Find patterns between the volume of a sound and the strength of the vibrations that produced it - Recognise that sounds get fainter as the distance from the sound source increases.	Understand why astrology and calendars were important for the ancient Mayan civilisation	Earth, Moon and Space – - Describe the movement of the Earth, and other planets, relative to the Sun in the solar system - Describe the movement of the Moon relative to the Earth - Describe the Sun, Earth and Moon as approximately spherical bodies - Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky. - Compare sound and light waves and how these travel	Explain and identify the use of astrology, clocks and sundials in Ancient Civilisations throughout History.
Key Scientists Study:				James West Aristotle		Hawkins	
Key Vocabulary:	Seasons, weather, Autumn, Summer, Winter, Spring, rain,	Observe, changes, four seasons, Summer, Autumn, Winter and Spring. Weather, snow, rain, sun, temperature,		Sound, , vibrate, Ear, vibration, medium, Pitch, Volume, Strength, faint, distance, source, wave	Astrology, calendars, ancient Maya civilisation	Movement, Earth, planets, Sun, solar system, Milky Way, Mercury, Venus, Earth, Mars, Jupiter, Saturn,	Astrology, clocks, sundials, Ancient Civilisations



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	windy, sunny, clouds, warm, cold	day length, longer, shorter and light. Day, Night				Uranus, Neptune, Moon, orbit. Spherical, Rotation, day, night, axis	
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Science Knowledge End Points: Black = Normal NC Positioning Blue = NC requirement but moved Red = Extra learning