

Subject: Science

Curriculum Value and Character Drivers						
Strive Enthusiasm, perseverance and resilience	Harmony Empathy, understanding and tolerance		Inspire Responsibility, integrity, respect	Nurture Healthy bodies, minds and relationships	Excel Ambition, creativity and knowledge	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception Opportunities to learn about:	Humans	Seasonal Changes	Living Things and their habitats	Seasonal Changes	Animals excluding Humans	Seasonal Changes
			Materials including Changes in materials	Living Things and their habitats		Living things and their habitats
						Light
Year 1	Animals including Humans	Everyday Materials	Animals including Humans	Seasonal Changes	Plants	Everyday Materials
		Seasonal Changes				Seasonal Changes
Year 2	Materials	Plants	Living things and their habitats	Animals including humans	Materials	Living things and their habitats
Year 3	Forces and Magnets	Light	Animals including humans	Materials	Plants	Animals including humans
Year 4	States of Matter	Sound	Animals including humans	Living things and their habitats	Electricity	Electricity

Year 5	Forces	Earth and Space	Properties and Changes in Materials	Living things and their habitats	Animals including humans	Properties and Changes in Materials
Year 6	Light	Electricity	Animals including humans	Evolution and Inheritance	Living things and their habitats	Electricity
						Light

Moral - Ability to recognise integrity (the difference between right and wrong) and to readily apply this understanding in their own lives, recognise legal boundaries and, in so doing, respect the civil and criminal law of England.

Spiritual Development - Ability to be reflective about their own beliefs (religious or otherwise) and perspective on life. Knowledge of, and respect for, different people's faiths, feelings and values.

Cultural – The essential knowledge pupils need to be educated citizens, introducing them to the best that has been thought and said and helping to engender an appreciation of human creativity and achievement (music, art, poetry etc.).

Social – Ability to use of a range of social skills in different contexts, for example working and socialising with other pupils, including those from different religious, ethnic and socio-economic backgrounds. Demonstrate a willingness to participate in a variety of communities and social settings, including by volunteering, cooperating well with others and being able to resolve conflicts effectively.

Character – a set of positive personal traits, dispositions and virtues that informs their motivation and guides their conduct so that they reflect wisely, learn eagerly, behave with integrity and cooperate consistently well with others.

Value	KS1 Example	KS2 Example
Strive	Becky Schroeder strived to invent fluorescent sheets as a child to help her read in the dark.	Ruth Ella More strived to become a well-known Biologist despite the challenges she faced growing up in early 20 th century.
Harmony	Children work in harmony when using simple equipment and performing simple tests.	Children work in harmony when setting up simple practical, comparative, and fair tests.
Inspire	Prem Singh Gill inspires our pupils as a polar scientist because he is not afraid to think creatively to solve world problems.	Stephen Hawking's life and achievements inspires our pupils as he became a world-renowned physicist despite facing many challenges and difficulties.

Nurture	Pupils are nurtured with scientific values including curiosity and persistence.	Pupils are nurtured with scientific values including working collaboratively, perseverance, curiosity, and persistence.
Excel	Elizabeth Garrett Anderson excelled as a pioneering physician becoming the first English woman to qualify as a doctor.	Mary Anning excelled as a pioneering palaeontologist making ground-breaking discoveries despite the challenges she faced due to her social status and gender.

SHINE

ACADEMIES

