

**Year 5 Enquiry
Terms 1-3**

Enquiry question	What does Earth look like from space? (Term 1)	Where is our twin? (Term 2)	What is creativity? (Term 2)	How can you show what you believe in? (Term 3 and 4)
Number of weeks	6	4	2	7
Lead state of being & coverage	Scientist - Scientist - describe the movement of the Earth, Moon and other planets relative to the Sun in the Solar System (as spherical bodies); use the idea of the Earth's rotation to explain day and night	Geographer - locate the world's and the United Kingdom's countries, concentrating on their key physical and human characteristics, countries, and major cities; - understand similarities and differences (Describing climate zones, biomes and vegetation belts, rivers, mountains, volcanoes, land use, economic activity, and the distribution of natural resources including energy, food, minerals and water).	Artist - improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay- learn about great artists, architects and designers in history.	Historian: - a non-European society that provides contrasts with British history - AD 900; Mayan civilization - develop a chronologically of world history; - noting connections, contrasts and trends over time; similarity and difference.

Supporting states of being & coverage	Artist - improve their mastery of art and design techniques, including drawing, painting and sculpture, with a range of materials. Geographer - locate the World's countries, using maps to focus on their key physical and human characteristics. Also, Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn.	Engineer - generate, develop, model & communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams & prototypes - select from & use a wider range of materials (incl. textiles), tools, components & equipment to accurately perform practical tasks [e.g. cutting, shaping, joining & finishing];	Engineer - T evaluate - understand how key events and individuals in DT have helped shape the world. Musician - improvise and compose, listen with attention, appreciate and understand a wide range of music.	Geographer - locate the world's countries, using maps to focus on Europe and North and South America, concentrating on environmental regions. Artist - improve their mastery of art and design techniques, including drawing and sculpture, with a range of materials (clay); Philosopher - How do you show your faith? (Hinduism) Is it ok to have different beliefs from others? How can you show respect for other people?
Wider experiences (trips, outdoor learning, visitors)		Geographical survey walk up Chippenham high street.		Visit a church or place of worship and see how these show what they believe through art work Young Voices 2023
International learning links		Create a link with a school in our twin town		
50 Experiences linked to Enquiry	30. Run a Healthy Tuck Shop	Read in our treehouse. Perform a poem.		

Year 5 Enquiry Terms 4-6

Enquiry question	What do forces actually do? (Term 4)	Who is trading with whom? (Term 4)	How are you helping to save the planet? (Term 5)	How can science help the vulnerable? (Term 6)
Number of weeks	1	5	5	5
Lead state of being & coverage	<p>Scientist - explain that unsupported objects fall towards the Earth because of the force of gravity</p> <ul style="list-style-type: none"> - identify the effects of air resistance, water resistance and friction that act between moving surfaces - recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. 	<p>Historian - a local history study; - a study of an aspect in British history - a history of Trade in the local area.</p> <ul style="list-style-type: none"> -develop a chronologically secure knowledge and understanding of British, local history, noting connections, contrasts and trends over time. - develop the appropriate use of historical terms; devising historically valid questions about change, 	<p>Engineer - investigate and analyse a range of existing products using research to develop design criteria to inform the design of innovative, functional, appealing products.</p> <ul style="list-style-type: none"> - generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and 	<p>Scientist - Properties and changes of materials: - compare and group together materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets; - explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible.</p>

		cause, similarity and difference, and significance;	computer aided design.	
Supporting states of being & coverage	<p>Engineer -- generate, develop, model and communicate their ideas through discussion, annotated sketches</p> <ul style="list-style-type: none"> - understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] 	<p>Geographer - name & locate counties and cities of UK on a map.</p> <ul style="list-style-type: none"> - describe & understand key aspects of Human Geography: trade links. - use fieldwork to observe, measure, record and present <p>Engineer - design purposeful, functional, appealing products for themselves and other users based on design criteria;</p> <ul style="list-style-type: none"> - investigate and analyse a range of products; - evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. 	<p>Scientist - Living things and habitats</p> <ul style="list-style-type: none"> - describe the differences in life cycles of a mammal, amphibian, an insect and a bird; - describe the life process of reproduction in plants and animals. <p>Geographer - describe and understand key aspects of human geography including land use, energy, pollution, minerals & water.</p>	<p>Engineer -</p> <ul style="list-style-type: none"> - investigate and analyse a range of existing products; - evaluate their ideas and products against their own design criteria and consider the views of others to improve their work; - understand how key events and individuals in design and technology have helped shape the world.
Wider experiences (trips, outdoor learning, visitors)	Outdoor learning STEM activities and building Rube Goldberg machines	Historical walk around Chippenham. Museum officer visit. Drama and history.	Wild place project Bristol	Link to a STEM ambassador (visitor) Outdoor learning with Science, burning and rockets.

	Secondary science liaison			secondary school science liaison
International learning links				
50 Experiences linked to Enquiry	8. Read in an adventurous place	33. Go to Chippenham Folk Festival	4. Go for a walk in Mortimer's wood	25. Raise money for charity

Year 5 Discrete Teaching Terms 1-3

	Term 1 (Autumn 1)	Term 2 (Autumn 2)	Term 3 (Spring 1)
Computing	Online Safety : Year 5 Potential online dangers and safety	Data Handling - Mars Rover 1 Data transfer and binary code	Computing systems and networks: Search engines Research skills and finding accurate information
RE (Discovery)	Sikhism - How far would a Sikh go for his/her religion?	Christianity - Is the Christmas Story True?	Hinduism - How can Brahman be everywhere and in everything?
PSHE (Jigsaw)	Being me in My World	Celebrating difference	Dreams and Goals
Music (Charanga)	Livin' on a Prayer	Classroom Jazz 1	Make You Feel My Love
French / Spanish	Transport	Ask for and answer name, age / Christmas	Around Town
PE Indoors	Netball	Gymnastics	Dance
PE Outdoors	Tag rugby	Lacrosse	Basketball
English - writing	Talk 4 Writing - Perseus and Medusa Defeat the monster story	Talk 4 Writing Should Thor retire as an Avenger? Discussion	Talk 4 Writing Time Slip Scarab Portal Talk 4 Writing Magical Egypt Information text

<p>English – reading</p>	<p>Into the Forest by Anthony Browne Prediction, Inference of character feelings and Summarising</p> <p>Malamander – Thomas Taylor Prediction, inference, summarising, character and setting description. High level vocabulary, thesaurus skills</p>	<p>Journey to the River Sea by Eva Ibbotson -Fact or Opinion? -Understanding Vocabulary -Figurative Language</p>	<p>The Viewer – Gary Crew and Shaun Tan Prediction, building suspense, atmosphere and mood</p> <p>Wonder by R J Palacio -Drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence -Dictionary Skills</p>
<p>Maths</p>	<p>Number: place value Number: Addition and subtraction</p>	<p>Number: Multiplication and Division Fractions A</p>	<p>Number: Multiplication and Division, Fractions B</p>

Year 5 Discrete Teaching Terms 4-6

	Term 4 (Spring 2)	Term 5 (Summer 1)	Term 6 (Summer 2)
Computing	Programming 1 - Music Applying programming skills to create sounds and melodies leading to a battle of the bands performance.	Programming 2 - Micro:bit The meaning and purpose of programming	Creating Media - Stop Motion Animation Storyboarding ideas, taking photographs and editing to create a video animation
RE (Discovery)	Christianity - Did God intend Jesus to be crucified and if so was Jesus aware of this?	Hinduism - Do beliefs in karma, samsara and moksha help Hindus lead good lives?	Christianity - What is the best way for a Christian to show commitment to God?
PSHE (Jigsaw)	Healthy me	Relationships	Changing me
Music (Charanga)	The Fresh Prince Of Bel Air	Dancing In The Street	Reflect, Rewind, Replay
French / Spanish	Food and drink and Easter	Volley-ball	Chosen story
PE Indoors	Fitness	Rounders	Athletics
PE Outdoors	Football	Striking and fielding	Cricket
English - writing	Talk 4 Writing Alma Suspense	Talk 4 Writing Money Madness Newspaper report Talk 4 Writing Cave of Curiosity Poetry	Talk 4 Writing Secret Agent Stealth Phone Persuasion
English –reading	Kensuke's Kingdom by Michael Morpurgo -Understanding the meaning of vocabulary in context (reading around the word for meaning) -Justifying predictions and inferences with evidence from the text.	Carrie's War by Nina Bawden -Exploring how an author uses figurative language to create atmosphere and effect.	Macbeth (Treetops Classics) Author use of language -Looking at how characters feelings change over time and why The JabberWocky – Lewis Carrol

	- Comparing how different characters feel towards the same event.		Analysing poetry. Discussing authors decisions, tone, mood, language choices, phonetic knowledge. How to Live Forever – Colin Thompson Prediction, philosophical discussion. Inference of character feelings and Summarising
Maths	Number: decimals and percentages Measurement: perimeter and area Statistics	Geometry: shape, perimeter and area Number: decimals	Number: negative numbers Measurement: converting units, volume