



The Year 5 Whitley Curriculum - Long Term Plan 2021-22

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Around the world	Vikings	Ancient China	Mayan Adventure	Crime and Punishment	Earth and Space
English	Non- fiction: Persuasive travel brochure. Fiction: Settings & character descriptions	Fiction: Myths and legends Poetry - Kennings	Fiction: Stories from different cultures. Poetry - Dragon Kite	Fiction: Adventure story Non-Fiction: Diaries, letters, news reports	Non-fiction: Balanced argument, Scripts, postcards Poetry: The highway man	Non-fiction: Recount - biography / speeches Fiction - Science Fiction
Core Books	Around the world in 80 days - Rob Alcraft/Jules Verne Journey to the River Sea - Eva Ibbotson	Beowulf - Michael Morpurgo Anglo-Saxon Boy - Tony Bradman	The Firework Maker's daughter - Phillip Pullman The Shang Dynasty - Tracy Kelly	The Explorer - Katherine Rundell Great Chocopot Plot - Chris Callaghan	Holes - Louis Sachar Good Thieves - Katheryn Rundell	Hidden figures - Margot Lee Shetterly Cosmic - Frank Cottrell Boyce
Science	Forces Objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object; the effects of air resistance, water resistance and friction, that act between moving surface; mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.	Sound (covid recovery) How sounds are made; 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 increase	Living things and their habitats. Animals including humans Differences in the life cycles of a mammal, an amphibian, an insect and a bird; the life process of reproduction in some plants and animals.	Properties/Changing of materials. Everyday materials and their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.	Electricity (covid recovery) Common appliances that run on electricity; simple series electrical circuits, , including cells, wires, bulbs, switches and buzzers, explore conductors and insulators.	Earth and space. The movement of the Earth and other planets relative to the sun in the solar system; the movement of the moon relative to the Earth.

Computing	<p>E-Safety Sharing Information To explain that computers can be connected together to form systems To recognise the role of computer systems in our lives To recognise how information is transferred over the internet To explain how sharing information online lets people in different places work together To contribute to a shared project online To evaluate different ways of working together online</p>	<p>Video Editing To recognise video as moving pictures, which can include audio To identify digital devices that can record video To capture video using a digital device To recognise the features of an effective video To identify that video can be improved through reshooting and editing To consider the impact of the choices made when making and sharing a video</p>	<p>Flat-File Databases To use a form to record information To compare paper and computer-based databases To outline how grouping and then sorting data allows us to answer questions To explain that tools can be used to select specific data To explain that computer programs can be used to compare data visually To apply my knowledge of a database to ask and answer real-world questions</p>	<p>Vector Drawing To identify that drawing tools can be used to produce different outcomes To create a vector drawing by combining shapes To use tools to achieve a desired effect To recognise that vector drawings consist of layers To group objects to make them easier to work with To evaluate my vector drawing</p>	<p>Selection in Physical Computing To control a simple circuit connected to a computer To write a program that includes count-controlled loops To explain that a loop can stop when a condition is met, eg number of times To conclude that a loop can be used to repeatedly check whether a condition has been met To design a physical project that includes selection To create a controllable system that includes selection</p>	<p>Selection in Quizzes To explain how selection is used in computer programs To relate that a conditional statement connects a condition to an outcome To explain how selection directs the flow of a program To design a program which uses selection To create a program which uses selection To evaluate my program</p>
RE	U2.11 Why do some people believe in God and some people do not?	U2.1 What does it mean if God is holy and loving?	U2.4 Was Jesus the Messiah?	U2.6 What did Jesus do to save human beings?	U2.14 How do religions help people live through good times and bad times?	U2.10 What does it mean for a Jewish person to follow God?
History	History of science and discovery - Leonardo Da Vinci, Isaac Newton.	The Viking and Anglo-Saxon struggle for the kingdom of England to the time of Edward the Confessor	The achievements of the earliest civilisation of the Shang Dynasty of Ancient China	Study of a non-European society that provides contrast with British history - Mayan civilisation c. AD 900.	A local history study. Crime and punishment from the Anglo-Saxons to present day	Changes in Social History - Black and British

Geography	<p>Geographical skills- Maps, atlases, globes and digital mapping to locate countries and human and physical geographical features.</p> <p>Locational knowledge - locate world's countries - focus on EU, environmental regions, key physical and human characteristics, countries and major cities.</p> <p>Make connections between Equator and tropics.</p> <p>Identify the position and significance of latitude and longitude, GMT and time zones.</p>	<p>Locational knowledge - Scandinavia focus.</p> <p>Human and Physical - Physical environment, key topographical features, characteristics and links to human settlement, migration and economy. Similarities differences with Britain.</p>	<p>Locational knowledge - China, Asia.</p> <p>Human and Physical - Compare different regions areas of China - rural/urban.</p>	<p>Place Knowledge - comparing to region of S.America - human and physical - Issues of fairtrade, distribution of resources. Trade between UK and EU and ROW.</p>	<p>Geographical Skills - OS maps 8 points of a compass, grid refs, symbols and keys.</p> <p>Fieldwork - physical features in the local area - sketch maps, plans, and graphs.</p>	<p>Human and Physical - Earth from space. mapping, digital imagery, land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.</p>
Arts and Design	Great artists and designers in history - Da Vinci inspired flight designs.	Textiles - Study of Bayeux tapestry	Design techniques - Scroll paintings and calligraphy.	<p>Printing - Mayan Glyphs.</p> <p>Sculpture - Masks - death, battle, event.</p>	Observational drawing and sketching	Mixed media - space art inspired by hubble images
Design Technology	Design a flying machine	Sewing skills - Binca embroidery	Shadow puppets. Lanterns.	Design and create masks.	Cooking and nutrition.	3d form models - space diorama.
PSHE, RSE	Feelings Friendship skills, including compromise Assertive skills	Recognising and celebrating difference, including religions and cultural Influence and pressure of social media	Managing risk, including staying safe online Norms around use of legal drugs (tobacco, alcohol)	Rights and responsibilities relating to my health Decisions about lending, borrowing and spending	Growing independence and taking responsibility Media awareness and safety	Managing difficult feelings Managing change Getting help
PE	Real PE Unit: Personal Cricket Swimming: Morpeth Class	Real PE Unit: Social Winter sport - Football, rugby Swimming: Kielder Class	Real PE Unit: Cognitive Dance, gymnastics Swimming: Morpeth Class	Real PE Unit: Creative Netball/tennis/ Swimming: Kielder Class	Real PE Unit: Applying physical. Summer Sport - Rounders, ultimate Frisbee.	Real PE Unit: Health and fitness Athletics Sports Day prep.
Music, MFL	Rhythm and pulse Ou habite tu?	Rhythm and pulse Ou habite tu?	Pitch <i>Quel temps fait-il?</i>	Instrumental Activities <i>Quel temps fait-il?</i>	Singing games <i>Dans ma famille</i>	Holst - The Planets (Brian Cox) / History of music <i>Dans ma famille</i>