

Long Term Curriculum Overview – Oak Class Y5/6 Cycle 2 (2021-2022)

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme/	We Can Do It! (A local study unit on Winchester in WW1 and WW2) A study or aspects of history or a site dating from a period beyond 1066 that is significant to a locality.		There is no Planet B Identify the position and significance of latitude, longitude, equator, Northern Hemisphere, Southern Hemisphere, tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones, including day and night. What can we do to stop climate change?		Why are the Rainforests so important? Understanding geographical similarities and differences through the study of human and physical geography of a region of the UK and a region in South America	
Hook	WW2 suitcase Mystery		Carbon Zero Week Challenge		Create a Rainforest in a Jar	
Outcome	WW2 Day		There is No Planet B Convention		Deforestation Debate	
Enrichment	Visit to Eastleigh Museum		River Itchen River Study		Visit to Winchester Recycling Centre	
Text Drivers suggestions	The Silver Sword Ian Serraillier Goodnight Mr Tom Michelle Magorian		Skellig David Almond		Holes Louis Sachar	
English	Writing to inform -recount -explanation -newspaper reports -instruction Writing to entertain - diary writing -script writing - poetry	Writing to persuade -letter -advert -poster -speech Writing to entertain - Develop a key narrative technique- settings	Writing to inform - Explanation texts linked to survival scenarios - Non –chronological reports -animals that live in extreme climates - Leaflets	Writing to entertain - write a series of diary extracts -write a report in the form of a leaflet -Develop a key narrative technique- settings	Writing to discuss -write a balanced argument - write and present a speech Writing to entertain - develop a key narrative technique- characterisation	Writing to inform -research, write and present a report for a specific audience and purpose -develop a key narrative technique – atmosphere Writing to persuade -advert -letter -poster
Maths	White Rose Maths Number Place Four operations	White Rose Maths Number-Four operations Prime numbers	White Rose Maths Number-Fractions Percentages	White Rose Maths Fractions Decimals Percentages	White Rose Maths -Converting units -Area and perimeter -Volume	White Rose Maths -Fractions, decimals and percentages -Four operations

	Prime numbers Statistics	Statistics		Algebra Geometry ,Angles and shape	-Measures -Fractions ,decimals and percentages	
Science	Light and Electricity Can you design an electrical circuit that recreates a Morse code system? <ul style="list-style-type: none"> recognise that light appears to travel in straight lines use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches use recognised symbols when representing a simple circuit in a diagram. 		Evolution and Inheritance Will I be exactly like my grandparents? <ul style="list-style-type: none"> recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution. Properties and materials Can you become a gas mask expert? Using knowledge of how filtering works, test a range of different filters and investigate how small the particles are which the filter can actually separate out? <ul style="list-style-type: none"> compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic demonstrate that dissolving, mixing and changes of state are reversible changes explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda. 		Living things and their habitats Animals including humans How does the human body work? <ul style="list-style-type: none"> -Human circulatory system -Human digestive system -Diet, exercise drugs and lifestyle recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function- taught through Sex and Relationships Education. 	

Science (Longitudinal study)	Do we all start and end life in the same way? Working scientifically UKS2: <ul style="list-style-type: none"> planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs using test results to make predictions to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations identifying scientific evidence that has been used to support or refute ideas or arguments. 					
Computing <i>All units contain Online safety elements.</i>	6.1 Programming We are adventure gamers: Making a text-based adventure game	6.2 Computational thinking We are computational thinkers: Mastering algorithms for searing and sorting and mathematics	6.3 Creativity We are advertisers: creating a short television advert	6.4 Computer networks We are network engineers: Exploring computer networks including the internet ****	6.5 Productivity We are travel writers: Using media and mapping to document a trip	6.6 Communication We are publishers: Creating a yearbook
Geography	/		Describe and understand key aspects of: physical geography, including: climate zones and rivers. What is the difference between weather and Climate? Fieldwork Study of the River Itchen What is the importance of the chalk stream which flows through our city of Winchester? How can we investigate the hydrology and wildlife of the River Itchen? What does a transect of the River Itchen look like?		Rainforests Where in the world are the rainforests located? How are plants and animals adapted to their environment? What are the primary and secondary impact of deforestation? How do rainforests contribute to world ecology? How does Fairtrade farming help support workers in the Rainforest?	
History	A local study unit on Winchester in WW1 and WW2 What was the impact of WWII on the Home Front in Winchester? What was life like in Winchester on the Home Front in WWII? How did Winchester change after WWI and WWII?		/		/	
Art	Representations of WW2 in pastels and charcoal	Artist Study Lowry Propaganda posters	Collage Sculpture Printing	Printing Drawing	Drawing Textiles	Painting collage

DT	WW2 Rations cookery		Create a 3D model of a river basin		Create an information book with moving parts	
RE (Understanding Christianity and Living Difference)	Christian symbolism What does God mean to me? WR: Buddhism The Enlightenment of Buddha	UC: God What does it mean if God is holy and Loving?	UC: Salvation What difference does the resurrection make for Christians?	UC Salvation: Why do Christians call the day Jesus dies Good Friday?	UC People of God: How can following God bring freedom and justice	WR: Buddhism The sangha eightfold path
PE	Lacrosse/Football -Gaining possession -Passing in different ways -Choose a tactic for defending and attacking	Lacrosse/Football -Shooting techniques -Play to agreed rules -lead others in a game situation	Tag Rugby - Pass in different ways - keep possession of the ball - Make a team and communicate a plan	Dance - compose dances in a creative way -Dance with fluency, clarity accuracy and consistency	Rounders/cricket -Batting skills -Bowling skills -throwing skills -Fielding techniques	Athletics -Run short distances -Run long distance -I can throw in different ways -Jump in different ways -take part in a relay
Music	Use instruments and voices with increasing accuracy, fluency, control and expression / Composition		Play a musical instrument and learn musical notations - Recorder Improvise and compose music for a range of purposes Musical scores		Play and perform in solo and ensemble contexts production singing	
PSHE (SCARF)	Me and My Relationships - Getting to know each other -What makes an excellent learner - What are my super-hero powers?	Rights and Responsibilities	Valuing Differences Growing and changing	Being My Best	Keeping Myself Safe	Growing and Changing
French (Eurostars)	Numbers 1-100 Preferences (hobbies, pets) 'er' verb conjugations Christmas (Eurostars 1)		Months Seasons and Weather Days + Daily routines Birthdays (Eurostars 2)		School Day – Subjects / Clothes (HB Year 6 booklet)	

