


Year 6 Long Term Plan 2021-22

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths	Number and place value Addition and subtraction Multiplication and division Geometry (2D and 3D shapes)	Fractions (shape, number and problem solving) Fraction, decimal and percentage equivalence Measure (Length and mass) Measure (Capacity and time) Number and place value	Position and direction - reflect, translate Geometry (shape and angle/ parts of the circle) Geometry (angle / pie charts) Fractions and ratio (10) Subtraction and addition / NPV / patterning and linear sequences (focus on mental strategies) All four operations Statistics (line graphs including temperature and negative numbers, mean average)	Measurement (length/volume and capacity/reading scales / imperial conversions) Measurement (time) Algebra (including formulae) Percentages Statistics (line graphs including temperature and negative numbers, mean average) All four operations (secure the formal and informal methods) / statistics	Number and place value Addition and subtraction Multiplication and division Geometry (position and direction) Fractions Multiplication and division (including square, cube and prime numbers)	Addition and subtraction / whole numbers and fractions Multiplication and division (tables and related facts) Fractions/ geometry Ratio and proportion Multiplication and division (secure formal methods) All four operations (context: measure) Transition maths
Reading + Writing	Shadow of the Minotaur Adventures of Odysseus Greek Myths and Legends Jabberwocky Outcomes include: persuasive writing, non-chronological report, narratives and diary entries	Cogheart Brazil: The Land and the People Clockwork The Island Outcomes include: non-chronological report, diary entries, newspaper report, narrative	War Horse The Piano Armistice Runner Stories of WW1 Outcomes include: diary entries, persuasive texts, recounts, speech, narratives	Graveyard Book Little Freak Varmints Outcomes include: writing from different perspectives, narrative, newspaper reports	There May Be A Castle Shakespeare: Romeo and Juliet and MacBeth Outcomes include: explanation text, play, diary entries	Holes Tales of Terror and Alma Outcomes include: non-chronological report, descriptive writing, horror stories
Science	<u>Sound</u> Chapters 2+3	<u>Electricity-</u> Associate the brightness of a lamp or the volume	<u>Evolution-</u> Living things have changed over time	<u>Living things and their habitats-</u>	<u>Animals including humans-</u>	<u>Animals including humans-</u>

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		<p>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. Components of the circuit.</p>	<p>linking to fossils. 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 We know the animals on the planet now are not the same as they are now due to fossils. How did that happen? Acknowledge the gaps in what know. Lead to Darwin's theory. Woolly worms- which did you find first? Stages of the life cycle have a real purpose.</p>	<p>Revisit classifying creatures in the ire school grounds and their reason why using classification keys. Similarities and differences. Duckbilled platypus- doesn't always fit!</p>	<p>Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.- Food - energy/growth/repair Exercise - (link evolution) - lack of exercise the body will not grow or function properly</p>	Sex Education
Computing	Programming - Scratch (Crab maze, Times Table game, Counting machine) Score and timer variables		Microsoft Office (Excel) Recapping of formula Conditionals Sort/ refine Databases - houses (Right move)		Programming - Crumble (Robot Wars)	
Online Safety	Signing up - Online Accounts		Online Presence		Social Media - PHSE link	
Geography		Comparative study: UK and Brazil			UK cities	
History	Ancient Greece	Ancient Greece	World War 1			Tudors (mini topic)
PSHE	<p><i>Relationships</i> <i>Attraction to others; romantic relationships; civil partnership and marriage</i> <i>Recognising and managing pressure; consent in different situations</i> <i>Expressing opinions and respecting other points of view, including discussing topical issues</i></p>		<p>Living in the Wider World Valuing diversity; challenging discrimination and stereotypes Evaluating media sources; sharing things online Influences and attitudes to money; money and financial risks</p>		<p><i>Health & well being</i> <i>What affects mental health and ways to take care of it; managing change, loss and bereavement;</i> <i>managing time online</i> <i>Human reproduction and birth; increasing independence; managing transition</i> <i>Keeping personal information safe; regulations and choices; drug use and the law; drug use and the media.</i></p>	

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RE	<u>Laws – Jesus the Law Breaker</u>	Prophecy – The Magi	Ritual – Wudu and Eid	Sacrifice – WW1	Ceremony – Death Ceremonies	Wisdom – Sacred Books
French	School and routines	Countries and the world	Leisure activities	Café/food	Numbers 70-100	Media/the news Past and present
Art	<u>AUT: Ancient Greece- sculpting clay busts - Alison Coaten artist focus</u>	<u>AUT: South America</u> Drawing: line- ink Painting: colour mixing Printing: relief/impressed Sculpture: block printing on fabric. Textiles: weaving Artist: Beatrix Milhaze Jennifer Durrant	<u>SPR: War horse illustrations</u> Drawing: Perspective/focal point, composition, linear perspective Painting: Ink Collage/ICT: using media to layer Pick a sentence out of the book and recreate in the style of the Divya Scialo (composition and perspective).			
DT			<u>Structures</u> bird feeder/box- waterproofing, strengthening joining, cutting 3D shapes, finishing: Client: Alver Valley Schools Purpose: To create a weather proof bird feeder/box for Alver Valley forest area.	<u>Food and nutrition</u> <i>Different breads from around the world?</i> <i>Shaping of bread, gluten structure, garlic bread and different varieties.</i> Purpose: Health and safety, nutrition, preparing food techniques, choices, how and where is it grown, how seasons affect the produce, understanding the role of yeast. Food a fact of life.	<u>Mechanics</u> <i>design a vehicle for robot wars using motors, gears and pulleys, mesh, motor spindle;</i> <u>Computing</u> program the vehicle for robot wars: using Crumble) Client: individual children to the robot wars competition. Purpose: To be the robot wars champion. Link to criteria for winning the competition.	
Music	Amazing Machines		Funky Fives		Singing and Performance	