Cunningham Hill Junior School Year Plan for Year 5

Topic	AUTUMN It's all Greek to Me!	SPRING Crime and Punishment	SUMMER One Giant Leap
English	• **The Lost Thing by Shaun Tan** **Main Outcome:** Own version fantasy narrative • **The Odyssey by Gillian Cross** **Main Outcome:** Epic adventure story • **Kaspar, the Prince of Cats by Michael Morpurgo** **Main Outcome:** Newspaper report	• **The Highwayman by Alfred Noyes** **Main Outcome:** Narrative poem • **The Man who Walked Between the Towers by Mordicai Gerstein** **Main Outcome:** Biography / autobiography • **Can We Save the Tiger? By Martin Jenkins** **Main Outcome:** Discussion text	• **Hidden Figures by Margot Lee Shetterly** **Main Outcome:** Memoir of Dorothy Vaughan • **The Lost Happy Endings by Carol Ann Duffy** **Main Outcome:** Prequel – alternative perspective • **Curiosity: The Story of a Mars Rover by Markus Motum** **Main Outcome:** Expanded explanation for a new rover
Maths	Place Value and Rounding of Large Numbers Interpret Negative Numbers Place Value of Numbers with up to Three Decimal Places Multiply and Divide by 10, 100 and 1,000 Properties of Number – Multiples, Factors and Common Factors Prime and Composite Numbers Multiply and Divide Mentally Solve Problems Involving Knowledge of Key Facts Add and Subtract Using a Range of Strategies Add and Subtract Using Formal Written Methods Formal Written Method for Multiplication Formal Written Method of Short Division Equivalent Fractions Compare and Order Fractions Adding and Subtracting Fractions	Problem Solving – All Four Operations Multiply Fractions by Whole Numbers Fraction Problem Solving Measure – Converting Units of Measure Area Volume and Capacity Percentages Problem Solving – Percentages 3-D Shapes from 2-D Representations Reflection and Translation Perimeter Estimate, Compare, Measure and Draw Angles Identify Unknown Angles	Formal Methods for Division and Multiplication in Increasingly Complex Problems Strategies for Multiplication and Division (Mental and Written) Solving Problems involving Scaling by Simple Fractions and Rates Conversion of Imperial and Metric Units of Measure Fractions, Decimals and Percentages Problem Solving Reading Timetables and Calculating with Time Solve Problems involving the Four Operations Distinguish between Regular and Irregular Polygons Use Properties of Rectangles Statistics – Solve Comparison, Sum and Difference Problems using Information in a Line Graph Statistics – Interpreting and Evaluating Information Presented in Charts and Tables Roman Numerals
Science	**Living Things and their habitats.** Life cycles of mammals, amphibians, insects and birds, Cloning. **Forces** Gravity, Air resistance, Water resistance, Friction.	**Properties and changes of materials** Materials and their properties, Dissolving, Solids, liquids and gases and separating them in different ways, Reversible and irreversible changes, Creation of new materials.	**Earth and Space** The movement of the Earth, Moon, Sun and other planets/solar system, How rotation can explain day and night. **Animals including Humans** Changes as humans develop to old age. (Links to SRE)
History	**The Ancient Greeks** A broad overview of life in Ancient Greece, including the birth of Athenian democracy, everyday life, religion and politics Use a variety of sources to predict/deduce information about the past and explain reasoning. Compare an aspect of life with the same aspect in another period Compare beliefs and behaviour with another time studied Workshop day in school.	**Crime and Punishment through the ages.** Develop a broad overview of life in Britain from 1066 to Victorian times, focusing on continuity and change - including chronological understanding, key dates and vocabulary. Including a visit to St Albans Courtroom/Museum Developing enquiry techniques - setting own enquiry questions on a related theme and selecting sources of evidence, giving their reasons for choice	**Industrial Revolution** To understand key inventions from the Victorian Period to the forefront of industry, including the steam train, telephone and London Underground. Select relevant sections of information Select relevant sections of information Examine causes and results of great events and the impact on people
Geography	**Modern Greece** The importance of tourism in choice of settlement. – linked to Ancient Greece. Developing understanding of location	**Local study and fieldwork** Explore the local area, fieldwork research, drawing together knowledge of features of settlements, visiting a local business and	**Rivers (not Water and Rivers)** The course of a river. Physical and human features of rivers. How rivers shape the landscape. Major rivers of UK/The World.

	Map work- physical features of Greece.	understanding production. Identifying the needs of a community and investigating how well those needs are met within our locality.	Field study of the River Ver. Measurement skills & graphs.
Art	**Greek Masks** Create an Ancient Greek theatre mask using paper mache	**Objects and Meanings** **Street Art** Investigate/evaluate the work of popular street artists, using appropriate vocabulary. Stencils and printing. Combine colours and tones to enhance work. Combine visual and tactile qualities. Build up layers of colour, create an accurate pattern showing fine detail and precision in technique. Create temporary pop-up installation in school playground.	**Water Landscapes** Covering techniques to paint a water scene – watercolour blocking, oil pastels, pastels and powder paint, as well as using other objects to paint with (fingers, twigs, cotton buds) **Artist studies:** Hockney, Monet, Constable, Turner and Seurat, Klimt.
D&T	**Mechanisms – Automata Toys** Develop a functional automata window display, to meet the requirements in a design brief. Explore and create cam, follower and axle mechanisms to mimic different movements.	**Food Technology Healthy Spaghetti Bolognese Alternative** Experience and taste different types of Bolognese. Design and create own Bolognese sauce – in Companies – designing appropriate logo and slogan to reflect product.	**Structures (Bridges)** Test and analyse various types of bridge to determine their strength and stability. Explore material properties and sources, before marking, sawing and assembling a wooden truss bridge.
Music	Hip Hop (Charanga) Singing songs for musical, notation	Djembe drumming Composing using *Garageband*	Continuing Garageband Rock Music (Charanga unit Livin' on a prayer) Composing and songs linked to rivers & Smetna's Vlatava.
RE	Christianity & Judaism How and why do Jewish people celebrate festivals and key life events? **Beliefs and practices** **Symbols and actions** UC Was Jesus the Messiah? (Core) **Beliefs and practices**	Christianity & Judaism What are the challenges for Jewish people today who follow ancient laws? **Identity and belonging** UC What did Jesus do to save human beings? (Core) **Beliefs and practices**	Christianity & Judaism Right and wrong: How do religious people decide how to solve dilemmas? **Justice and fairness** UC 'Creation and Science' contradictory or complementary? (Core) **Ultimate questions** Creation stories and the ultimate questions they raise.
PSHE	Being Me: My year ahead, being a citizen and part of a community, responsibilities, rewards and consequences, our Learning Charter. Celebrating differences: different cultures, religions, races discussing bullying does money matter?	Dreams and goals: Dream lifestyle, jobs, jobs in different cultures, supporting each other Healthy Me: smoking, alcohol, emergency aid, body image, relationship with food	Relationships: safety and online communities, gaming, relationship with technology and screen time Changing Me: - Unique me; having a baby; girls/boys and puberty; conception
PE	Tag Rugby, Basketball, Dance, Hockey	Indoor Athletics, Gymnastics, Netball	Tennis, Cricket, Athletics, Swimming
Computing **Digital Literacy E-Safety Project Evolve**	Coding Using the PRIMM approach to create code through simulation and testing Databases Creating a database to store information on a topic. Self Image and Identity Online Reputation Online Bullying	Game Creator Planning and creating a computer game Music Technology Composition on Garageband (Music) Controlling External Controllers Coding Using Microbit technology to produce a variety of outputs. Online Relationships Privacy and Security	Robotics and Systems Programming physical and computer generated objects. Designing and running programmes to achieve purpose 3D Modelling Designing and making a 3D model using design software Managing information Online Health, Well Being and Lifestyle Copyright and Ownership
French - Language Angels	Core Vocab Units My home	At the Café What's the date?	The Weather Planets
CHILL OUT	Teambuilding Leaf Recognition	Crime scene investigation	River Study Chill Out Orienteering