Skills Overview – Year 6

English			Art and Design	Computing Computer science
Reading	WritingUse knowledge of root words,	Vocabulary, Grammar and Punctuation Recognise vocabulary and structures that are	 Select appropriate media and techniques to achieve specific outcome 	Learn how to use variables in more complex ways
 Read for pleasure a range of genres, recommending books to 	prefixes and suffixes	appropriate for formal speech and writing	 Explore the effect of light and colour, texture and tone on 	 Manipulate inputs to create useful outputs. Learn how computers use numbers to store information about objects.
others	 Develop legible, personal 	 Use the passive voice for purpose 	natural and man-made objects	 Design own game or programme, using all knowledge learnt across KS2
Make comparisons within and	handwriting style	Use features to convey and clarify	 Pupils will improve their art and design techniques through 	
across books	Plan writing to suit audience and		printing	Information Technology Choose and evaluate appropriate ways to present
Support inferences with evidence	purpose	Use full punctuation	 Pupils will study an artist, designer or an architect. 	information for different audiences and purposes.
 Summarise key points from text 	Note and develop initial ideas	Use the language of subject/object		Select software appropriately
 Identify how language and 	drawing on reading and resear	Ch • Select grammar and vocabulary for effect	N	Continue to use search technologies effectively. Evaluate digital content appropriately.
structure contribute to meaning	 Draft, proof read and edit Develop character, setting and 			
Discuss the use of figurative language	 Develop character, setting and atmosphere in narrative 	Speaking and Listening	\sim	Digital Literacy
 Discuss and explain reading 	Use a wide range of cohesive	Use questions to build knowledge		 Demonstrate safe practice in selecting and uploading content. Understand the impact on an individual of sending or uploading unkind or
providing reasons and justification	devices	Articulate arguments and opinions		inappropriate content.
 Distinguish between fact and 	 Ensure grammatical consisten 			 Understand that malicious adults use the internet and how to report suspicions.
opinion	 Assess own and others writing 	and explore		 Be aware of your digital footprint and how this is could be used.
		\frown	Design Technology	Geography Location Knowledge
			Design	Recap geography of UK continents, countries and
			 research and develop design criteria to inform the design of innovative, functional, appealing products 	oceans; time zones and hemisphere
			generate, develop, model and communicate their ideas through	Place Knowledge
			discussion, sketches, diagrams, prototypes and computer-aided design	 understand geographical similarities and differences through the study of
			Make	human and physical geography of North America Human and physical geography
Mathematics		Fractions, Decimals and	 select from a wide range of tools materials and equipment to perform practical tasks 	describe and understand key aspects of: Physical geography- volcanoes
Number and calculation	Geometry and measures	percentages		and earthquakes
Secure place value &	Draw 2D shapes and build a	 Compare, order and simplify fractions Use equivalents to add fractions 	Evaluate	Skills and fieldwork use maps, atlases, globes and digital/computer mapping to locate countries
 rounding to 10,000,000, 	shapes	Maritin has a face to the set	investigate and analyse a range of existing	and describe features studied
including negatives	Confidently use a range of r	Recall equivalences between fractions, decimals	products and evaluate against their own design criteria	 use the eight points of a compass, four and six figure grid references,
 Use formal written methods for all for operations 	 ur conversions Calculate and compare area 	and paragraga		symbols and key to build their knowledge of the United Kingdom and the • wider world
 Develop mental strategies for multi 	perimeter of triangles / para	 Divide/multiply decimals and fractions by whole 		use fieldwork to observe, measure, record and present the human and
operations and with larger numbers	and other 2D shapes.	numbers	Technical knowledge	physical features in the local area using a range of methods.
Identify factors, multiples & primes	Use area & volume formulas		 Pupils will apply their understanding of computing to program, monitor and control their products. 	
Solve multi-step number problems	Compare and classify shape	 percentages Use written division up to 3dp when multiplying 		
using all operations	properties		Modern Foreign Languages	Music)
Algebra	 Know and use angle rules, angles in 2D shapes and str 		Develop intonation so that others understand	Play and perform in solo And ensemble contexts,
Introduce simple formulaic number	 Translate & reflect shapes, it 	de sins al rate a se	phrases and simple writing.	using their voices and playing musical
problems.	quadrants	Introduce ratio & proportion	Understand basic grammar- the key	fluency, control and
	 Begin to name circle dimension 	sions.	features and patterns of the language; how to	
	 Convert standard units of m 	easurement Data	apply these to build sentences, and how they differ from or are similar to English.	Improvise and compose music for a range of
	up to 3 places.	Use and interpret pie	Link the spelling, sound and meaning of words.	purpose including all dimensions of music
		charts and line graphs	Write phrases from memory and adapt these to create new	(dynamics, pace, pitch, duration, timbre, texture,
		Calculate mean	sentences, expressing ideas clearly.	structure, silence)
		averages.	Describe people, places and things in writing, as well as orally.	Listen with attention to detail and recall sounds with increasing aural memory
			 Speak in conversations expressing opinions and ideas as well as responding to those of others, socking clarification and 	 Use and understand the staff and other notations
Science		History	as responding to those of others, seeking clarification and help.	Appreciate music from different traditions and from great
Biology		British History	 Speak using familiar vocabulary, phrases and basic language 	composers and musicians
Living things in their		An extended period study of the changing power of monarchs	structures.	 Develop an understanding of the history of music.
Habitats (classifying	including micro-	Broader History		
organisms)		 A Non-European society for example, Islamic civilisation including Baghdad, Mayan civilisations or Benin (West Africa) 		
Animals including humans (health and set to be a set of the s	nd circulation)	Working Historically		Religious Education
 Evolution and Inheritance Chemistry 		Embed:		Christianity
 Consolidation of units in revision 		chronological understanding of British, local and	Physical Education	Descriptions of God Ways of understanding God
Physics		World history		Christian worship
Electricity		Identify connections, contrasts and	 Take part in Outdoor and adventurous activities. 	Celebration, festivals and special events
Working Scientifically		trends overtime and use historical	Develop their own gymnastic sequences by combining	Expressing belief
 Planning different types of scientific 		 terms. Address and devise historically valid 	movements more fluently and effectively.	Hinduism
 Take measurements with a range of with accuracy and provision 	r scientific equipment	questions about change, cause,	 Perform skills more fluently and effectively in invasion, striking 	Learn about the Hindu belief in one God
 with accuracy and precision Record data and results using diagram 	ams and labels and	similarity and difference, and	and net games.	represented through many different image and names
 Record data and results using diagra tables and graphs 		significance.	Apply a range of tactics and strategies for defence and attack.	Beliefs expressed in stories e.g. Rama and Sita
Make predictions		 Construct informed responses by 	 Compose creative ideas and link dance sequences. Evaluate performances and suggest ways to improve. 	 Key teachings and scriptures
Report and present findings		selecting and organising historical	 Evaluate performances and suggest ways to improve. Swim proficiently using a range of strokes and applying 	Beliefs expressed through symbols
		information Understand that our knowledge of 	 Swim proteintly using a range of strokes and applying survival techniques. 	Worship in the home and the temple Calebrations factively and appeals avents
		Orderstand that our knowledge of the past is drawn from a range of		Celebrations, festivals and special events
		sources.		