



SCIENCE

Pupils should be taught to:	Year 4	Aut	Spr	Sum
▪asking relevant questions and using different types of scientific enquiries to answer them		X	x	x
▪setting up simple practical enquiries, comparative and fair tests		X	x	X
▪making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.		X	x	x
▪gathering, recording, classifying and presenting data in a variety of ways to help in answering questions		X	x	x
▪recording findings using simple scientific language, drawings, labeled diagrams, keys, bar charts, and tables		x	x	
▪reporting on findings from enquiries, including oral and written explanations, Displays or presentations of results and conclusions			x	X
▪using results to draw simple conclusions, make predictions for new values, suggest Improvements and raise further questions			x	x
▪identifying differences, similarities or changes related to simple scientific ideas and Processes			X	
• using straight forward scientific evidence to answer questions or to support their findings.		x	x	X
▪ recognise that living things can be grouped in a variety of ways.		x	x	
▪ explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.		x	x	
• recognise that environments can change and that this can sometimes pose dangers to living things.		x	x	
▪ describe the simple functions of the basic parts of the digestive system in humans.			x	
▪ identify the different types of teeth in humans and their simple functions.			X	
• construct and interpret a variety of food chains, identifying producers, predators and prey.		x	x	
▪ compare and group materials together, according to whether they are solids, liquids or gases.				X
▪ observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C).				X
• identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.				X
▪ identify how sounds are made, associating some of them with something vibrating.			X	
▪ recognise that vibrations from sounds travel through a medium to the ear.			X	
▪ find patterns between the pitch of a sound and features of the object that produced it.			X	



Year 4 Curriculum Coverage

▪ find patterns between the volume of a sound and the strength of the vibrations that produced it.			X	
• recognise that sounds get fainter as the distance from the sound source increases.			X	



Art & Design

Pupils should be taught to:	Year 4	Aut	Spr	Sum
<ul style="list-style-type: none">to create sketch books to record their observations and use them to review and revisit ideas.				X
<ul style="list-style-type: none">to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]		x	x	X
<ul style="list-style-type: none">about great artists, architects and designers in history.		x	x	

**Computing**

Pupils should be taught to:	Year 4	Aut	Spr	Sum
▪ design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts		X		
▪ use sequence, selection, and repetition in programs; work with variables and various forms of input and output.		X		
▪ use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.		X		
▪ understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.		X	X	X
▪ use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.		X	X	X
▪ select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.		X	X	X
▪ use technology safely, respectfully and responsibly; recognize acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.		X	x	X

**Design&Technology**

Pupils should be taught to:	Year 4	Aut	Spr	Sum
<ul style="list-style-type: none"> use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. 			x	x
<ul style="list-style-type: none"> generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. 				X
<ul style="list-style-type: none"> select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. 		X		x
<ul style="list-style-type: none"> select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities. 				X
<ul style="list-style-type: none"> investigate and analyse a range of existing products. 		X		
<ul style="list-style-type: none"> evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. 		x	x	X
<ul style="list-style-type: none"> understand how key events and individuals in design and technology have helped shape the world. 				X
<ul style="list-style-type: none"> apply their understanding of how to strengthen, stiffen and reinforce more complex structures. 				X
<ul style="list-style-type: none"> understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] 				
<ul style="list-style-type: none"> understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] 				X
<ul style="list-style-type: none"> apply their understanding of computing to program, monitor and control their products. 				X



Cooking & Nutrition

Pupils should be taught to:	Year 4	Aut	Spr	Sum
▪ understand and apply the principles of a healthy and varied diet.				X
▪ prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.				X

**Geography**

Pupils should be taught to:	Year 4	Aut	Spr	Sum
<ul style="list-style-type: none"> locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities. 		x		X
<ul style="list-style-type: none"> name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time. 		X		
<ul style="list-style-type: none"> identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones(including day and night). 		x	x	X
<ul style="list-style-type: none"> understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America. 		X		
<ul style="list-style-type: none"> physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle. 			x	X
<ul style="list-style-type: none"> use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps)to build their knowledge of the United Kingdom and the wider world. 			x	x



History

Pupils should be taught about:	Year 4	Aut	Spr	Sum
▪ a local history study.			X	
▪ Rome and it's Empire				x
▪ Ancient Greece—a study of Greek life and achievements and their influence on the western world.		x	x	



Language

Pupils should be taught to:	Year 4	Aut	Spr	Sum
<ul style="list-style-type: none"> listen attentively to spoken language and show understanding by joining in and responding. 		x	x	x
<ul style="list-style-type: none"> explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words. 		x	x	x
<ul style="list-style-type: none"> engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help* 		x	x	x
<ul style="list-style-type: none"> speak in sentences, using familiar vocabulary, phrases and basic language structures. 		x	x	x
<ul style="list-style-type: none"> develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases* 		x	x	x
<ul style="list-style-type: none"> present ideas and information orally to a range of audiences* 		x	x	x
<ul style="list-style-type: none"> read carefully and show understanding of words, phrases and simple writing. 		x	x	x
<ul style="list-style-type: none"> appreciate stories, songs, poems and rhymes in the language. 		x	x	x
<ul style="list-style-type: none"> broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary. 			x	X
<ul style="list-style-type: none"> write phrases from memory, and adapt these to create new sentences, to express ideas clearly. 				X
<ul style="list-style-type: none"> describe people, places, things and actions orally*and in writing. 				X
<ul style="list-style-type: none"> understand basic grammar appropriate to the language being studied, including (where relevant): feminine, masculine and neuter forms and the conjugation of high-frequency verbs; key features and patterns of the language; how to apply these, for instance, to build sentences; and how these differ from or are similar to English. 				X

**Music**

Pupils should be taught to:	Year 4	Aut	Spr	Sum
▪ play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.		x	x	x
▪ improvise and compose music for a range of purposes using the inter-related dimensions of music.			X	
▪ listen with attention to detail and recall sounds with increasing aural memory.			X	
▪ use and understand staff and other musical notations.				X
▪ appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians.		x	x	x
▪ develop an understanding of the history of music.		x	x	



PE

Pupils should be taught to:	Year 4	Aut	Spr	Sum
<ul style="list-style-type: none"> swim competently, confidently and proficiently over a distance of at least 25 metres. 				
<ul style="list-style-type: none"> use a range of strokes effectively [for example, frontcrawl, backstroke and breaststroke]. 				
<ul style="list-style-type: none"> perform safe self-rescue in different water-based situations. 				
<ul style="list-style-type: none"> use running, jumping, throwing and catching in isolation and in combination. 		x	x	x
<ul style="list-style-type: none"> play competitive games, modified where appropriate [forexample,badminton, basketball, cricket, football, hockey, netball, rounders and tennis], and apply basic principles suitable for attacking and defending. 		x	x	x
<ul style="list-style-type: none"> develop flexibility, strength, technique, control and balance [for example, through athletics and gymnastics] 		x	x	
<ul style="list-style-type: none"> perform dances using a range of movement patterns. 			X	
<ul style="list-style-type: none"> compare their performances with previous ones and demonstrate improvement to achieve their personal best. 		x	x	x

