

YEAR GROUP

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
TOPIC / THEME	Chocolate	Chocolate	Temples, Tombs and Treasures	Temples, Tombs and Treasures	Explorers and Adventurers	Explorers and Adventurers
English	Text: Charlie and the Chocolate Factory Reading: Key Text/Genres connected to writing Spelling: Contraction words; Y2 prefixes; homophones. Handwriting: cursive joins Writing: Narrative; Diary Grammar: Time conjunctions (co-ordinating and subordinating); capital letters, full stops, exclamations marks, question marks, commas in a list and speech.	Text: NC Reports-Chocolate Charlie and The Chocolate Factory- Play script Reading: Key Text/Genres connected to writing Spelling: Contraction words; Y2 prefixes; homophones. Handwriting: cursive joins Writing: Non-chronological reports; play scripts Grammar: Headings, sub-headings, capital letters, full stops, exclamations marks, question marks, commas in a list	Text: The Explorer Reading: Key Text/Genres connected to writing Spelling: suffixes -ness, - ful, prefixes sub-, tele- Handwriting: cursive joins Writing: Narrative- Adventure/Stories from another setting; Letter Writing- Informal Grammar: speech marks (dialogue); use of an a/an	Text: Visual literacy - Aviatrice https://www.literacys hed.com/aviatrice.ht ml Reading: Key Text/Genres connected to writing Spelling: ending in -tion, - sion, words ending in k/ck Handwriting: cursive joins Writing: Narrative, Biography	Text: The Secrets of the Sun King Reading: Key Text/Genres connected to writing Spelling: Revise all suffixes/prefix es. Handwriting: cursive joins Writing: Narrative, Instruction writing Grammar: Present and perfect tense, prepositions	Text: Howard Carter Reading: Key Text/Genres connected to writing Spelling: Homophones; HFW list Handwriting: cursive joins Writing: Journalistic writing; poetry Grammar: Word families based on common route words



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numbers up to 1000. Count to and across 1000. Understand place value in three- digit numbers. Identify, represent and estimate numbers using different representations. Partition three-digit numbers into different combinations of 100s, 10s and 1s. Part Part Whole to 1000. Compare and order numbers up to 1000 using c> =. Addition and Subtraction: and down in tenths. to 1000 bridging through 10s; adding three-digit numbers; (m/cm/mm); mass commutative law; addition and subtraction facts for the 3, 4 and 8 times 3, 4 and 8 times 4, 4 and 2 times 4, 4 and 8 times 4, 4 and calculate 4, 5 and calculate 5, 5 and calculate 6, 5 and calculate 7,			,				
To solve missing change, using both £ number problems. Use and p in practical	Maths	Counting: Read and write numbers up to 1000. Count to and across 1000. Understand place value in three- digit numbers. Identify, represent and estimate numbers using different representations. Partition three-digit numbers into different combinations of 100s, 10s and 1s. Part Part Whole to 1000. Compare and order numbers up to 1000 using <> =. Addition and Subtraction: to 100 bridging through 10s; adding three-digit numbers; commutative law; addition and subtraction facts to 100 fluently, related facts up to 1000; add and subtract numbers mentally. To solve missing	Division: Show multiplication in arrays. Use arrays to identify that multiplication is commutative and division is not. Understand the relationship between multiplication and division. Measurement: Throughout - expanded method of addition and subtraction. Count up and down in tenths. Recognise that tenths arise from dividing an object into 10 equal parts. Can add tenths up to 1. Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (I/mI). Measure the perimeter of simple 2-D shapes. Add and subtract amounts of money to give change, using both £	Write fractions of set of objects. Recognise and use fractions as numbers. Show equivalent fractions. Add & subtract fractions with same denominator. Compare and order fractions with same denominators. Solve fraction problems. Time: Know no. of seconds in a minute and number of days in month/year. Tell time to the nearest minute; record and compare time in terms of seconds, minutes and hours; use time vocabulary Number bonds to 6 and 60. Fractions of a clock- ½ ½ 1/12. Roman numerals from I to XII, and 12-hour and 24-hour	Division: Use multiplication and division facts for the 3, 4 and 8 times tables. · Understand distributive law. Write and calculate mathematical statements. Solve problems Shape: Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them. Recognise angles as a property of shape or a description of a turn. Right angles. Identify horizontal and vertical lines and pairs of perpendicular and	Formal method of all 4 operations. Add / subtract 3-digit numbers. Solve problems with 3-digit numbers. Write and calculate mathematical statements using known multiplication tables, using mental and progressing to formal written methods. Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m	Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and



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Science	Animals including	Animals including	<u>Light</u>	Forces and magnets	Rocks and Soils	<u>Plants</u>
	<u>humans</u>	<u>humans</u>	Recognise that they	Compare how things	Compare and group	Identify and describe
	Identify that animals,	Identify that animals,	need light in order to	move on different	together different	the functions of
	including humans, need	including humans, need	see things and that	surfaces	kinds of rocks on the	different parts of
	the right types and	the right types and	dark is the absence of	Notice that some	basis of their	flowering plants: roots,
	amount of nutrition, and	amount of nutrition, and	light	forces need contact	appearance and	stem/trunk, leaves and
	that they cannot make	that they cannot make	Notice that light is	between two objects,	simple physical	flowers
	their own food; they get	their own food; they get	reflected from	but magnetic forces	properties	Explore the
	nutrition from what they	nutrition from what they	surfaces	can act at a distance		requirements of plants
	eat	eat	Recognise that light	Observe how	Describe in simple	for life and growth (air,
	Identify that humans	Identify that humans	from the sun can be	magnets attract and	terms how fossils are	light, water, nutrients
	and some other animals	and some other animals	dangerous and that	repel each other and	formed when things	from soil, and room to
	have skeletons and	have skeletons and	there are ways to	attract some	that have lived are	grow) and how they
	muscles for support,	muscles for support,	protect their eyes	materials and not	trapped within rock	vary from plant to
	protection and	protection and	Recognise that	others		plant
	movement.	movement.	shadows are formed	Compare and group	Recognise that soils	Investigate the way in
	Know about the function	Know about the function	when the light from a	together a variety of	are made from rocks	which water is
	and care of teeth in	and care of teeth in	light source is blocked	everyday materials on	and organic matter.	transported within
	humans and other	humans and other	by an opaque object	the basis of whether		plants
	animal (Year 4	animal (Year 4	Find patterns in the	they are attracted to		Explore the part that
	statement)	statement)	way that the size of	a magnet, and		flowers play in the life
			shadows change	identify some		cycle of flowering
				magnetic materials		plants, including
				Describe magnets as		pollination, seed
				having two poles		formation and seed
				Predict whether two		dispersal.
				magnets will attract		
				or repel each other,		
				depending on which		
				poles are facing.		
Computing	Online Safety	Coding: Probots	Online safety	Email: 2Email	Coding – 2Code	Online safety – Google
	Understand what makes	Use technology safely,	Online Safety Day	To think about	To review coding	Internet Legends
	a safe password, how to	respectfully and		different methods of	vocabulary relating to	Planning Be Internet
	keep passwords safe and	responsibly by	Animation: Stop	communication.	Object, Action,	Sharp:
	the consequences of	unpacking, packing away	Motion App	To open and respond	Output, Control and	Think Before You Share
	giving passwords away.	and ensuring the		to an email.	Event.	



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CURRICULUM CONTENT

Understand that for most people the internet is an integral part of life and has many benefits. Understand how a blog can be used to help us communicate with a wider audience. Consider if everything that is written on website is true. To begin to think about why fake information/websites might exist and how to check if information is accurate. To learn about the meaning of age restrictions symbols on digital media and devices. To discuss why PEGI restrictions exist. To know where to turn for help if they see inappropriate content or have inappropriate contact from others.

Probots go on charge ready for next class. Being to use coding vocabulary relating to Object, Action, Output, Control and Event. To understand what debugging means. Design, write and begin to debug simple algorithms. Write programs using repetition. Use logical reasoning to explain how simple algorithms work.

(Show children the images of Sally Gardner, the horse Edward Muybridge photographed and then animated into moving images.) To work in groups to create a 6-panel storyboard to be animated. Create a background and characters to retell a story. Set up a recording space to take photos (See hints and tips doc) Use the SM app to take a sequence of pictures retelling the story using small movements between each shot.

To know about the

origins of animation

To write an email to someone using an address book.
To learn how to use email safely.
To add an attachment to an email.
To explore a simulated email scenario

Use the design to write the code for a program. To design and write a program that represents a physical system. To look at the grid that underlies the design and relate to X and Y properties. To introduce selection in their programming by using the 'if' command. To combine a timer in a program with selection. To understand what a variable is within a

with an object that repeats actions

To use a timer that

To explore the use of

the repeat command and how it differs from the timer.

makes characters

repeat actions.

indefinitely.

Use 2Chart to

sequential program

represent a

design.

Understand what having a positive digital footprint means. Know some ways in which they can build a positive digital footprint.

Digital Literacy Use Toontastic to create video/book (Link with English) to tell a story Create a sequence of images to create a short animation/film.

Simulations

Consider what simulations are. Explore a simulation Analyse and evaluate a simulation.

the story using to understand what a variable is within a program and use one to create a timer.

To understand what a variable is within a program and use one to create a timer.

To create a program



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			To explain what debugging means. Understand the importance of repeatedly testing and debugging programs. To understand the importance of saving their work after writing each section of the program.
History	An overview of how chocolate was created. A study of a non-European society that provides contrasts with British History – Aztec Empire and Mayan civilisation c AD900 Big Question: How do the ancient and modern day uses of chocolate compare?	A local history study: Isambard Kingdom Brunel and the development of the railway and its impact on London (British Industrial Revolution) An overview of key moments of discovery in world history Historical Enquiry: How did the development of the railway change the way people travel? Big Question: How has engineering changed over time?	An overview of where and when first civilisations appeared (Ancient Egypt, Ancient Sumer, the Indus Valley, the Shang Dynasty of Ancient China) A depth study of Ancient Egypt Historical Enquiry: What can we find out about Ancient Egypt from what has survived? Big Question: How did beliefs influence funeral processes in Ancient Egyptian times?



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Geography	PK: Understand	LK: Locate the world's	GS&F: Use maps,
	geographical similarities	countries using maps	atlases, globes and
	and differences through	to focus on the UK,	digital/computer
	the study of human and	Europe and South	mapping to locate
	physical geography of a	America,	countries and describe
	region of the UK, a	concentrating on	features studied
	region of a European	their environmental	
	country and a region	regions, key physical	H&P G: Describe and
	within South America –	and human	understand key aspects
	Bourneville in UK, Vevey	characteristics,	of:
	in Switzerland and	countries and major	Physical – floodplain,
	Esmeraldas in Ecuador	cities	rivers
			Human - types of
	GS&F: Use maps,	LK: Identify the	settlement and land
	atlases, globes and	position and	use, economic activity
	digital/computer	significance of the	including trade links,
	mapping to locate	Arctic and Antarctic	distribution of food –
	countries (UK,	Circle	River Nile
	Switzerland, Ecuador)		
		GS&F: Use the eight	
	LK: Identify the position	points of a compass,	
	and significance of	symbols and key to	
	latitude, longitude,	build their knowledge	
	Equator, Northern	of the UK and the	
	Hemisphere, Southern	wider world	
	Hemisphere.		
		GS&F: Use fieldwork	
	H&P G: Describe and	to observe, measure,	
	understand key aspects	record and present	
	of:	the human and	
	Physical – climate zones;	physical features in	
	rivers, mountains,	the local area using a	
	vegetation, tropical,	range of methods,	
	equatorial,	including sketch	
	Human – economic	maps, plans and	
	activity, distribution of	graphs and digital	
	natural resources / food,	technologies. (Field	



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Art / DT	Big Picture - Design,	location, transport, industry, Big Picture - Design and	Big Picture - Create	trip to local area being explorers, using compasses) H&P G: Describe and understand key aspects of: Physical - location, meander, cliff, ocean, valley, vegetation belts, Human – types of settlement and land use	Big Picture- Create a	Big Picture - Design and
	make and evaluate a chocolate bar and its	make a Mayan Mask - link to History	drawings and watercolours using	mosaic Make patterns on a	collaborative piece of art using printing of	make an Egyptian vase
	wrapper Extend exploring colour	Introduce different types of brushes for	Kew Gardens to inspire botanical	range of surfaces, paper, chalk on	Egyptian hieroglyphics	Use the equipment and media with increasing
	mixing to applying	specific purposes.	explorations of flora	playground		confidence
	colour mixing.	Search for pattern	and fauna.	Create own patterns	To make own	Shape, form, model and
	Make colour wheels to show primary and	around us in world, pictures, objects.	Final piece a poster for Kew Gardens	using ICT by planning on Purple Mash (link	patterns, printing, rubbing.	construct from observation and
	secondary colours.	Shape, form, model and	New Gardens	to computing)	Use sketchbooks to	imagination with
	Use initial sketches to	construct from	Start to place more	Cut shapes using	design own motif to	increasing confidence.
	aid work	observation and	emphasis on	scissors with	repeat	Plan and develop ideas
		imagination with increasing confidence.	observation and design of textural art	accuracy weaving	Symmetry Use sketchbook for	in sketchbook and make simple choices
		micreasing connuence.	Use initial sketches to	weavilig	recording	about media.
			aid work		textures/patterns	Develop understanding
			Experiment with the		Discuss own work and	of different adhesives
			potential of various		that of other artists	and methods of
			pencils (2B - HB) to		Explores images	construction
			show tone, texture Encourage close		through monoprinting on a variety of papers	Begin to have some thought towards size
			observation of objects		on a variety of papers	



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		in both the natural and manmade world. Observe and draw simple shapes. Draw both the positive and negative shapes i.e. draw both the outline of the object and the shapes it creates Make initial sketches as a preparation for painting and other work. Encourage more accurate drawings of people/animals — particularly faces - looking closely at their features and the detail they have	Explore colour mixing through overlapping colour prints deliberately Interpret environmental and manmade patterns and form Discuss the nature of effects able to modify and adapt print as work progresses Explore images and recreate texture through deliberate selection of materials wallpaper, string, polystyrene etc
PE & Sport	Rugby /football Invasion and Target (ball handling) To be able to hold and kick the ball correctly and to get better at handling the ball through ball skills. Rugby Complete accurate lateral (sideways) passes to a partner Develop techniques for tagging an opponent Hold a rugby ball with some confidence using a wide grip hold To be able to receive the ball from a partner To be able to pass the ball to a partner using a sideward pass Use a 1 handed touch tackle on waist of opponent	Games To use running, jumping, throwing and catching in isolation and in combination Play competitive games, and apply basic principles suitable for attacking and defending Develop flexibility, strength, technique, control and balance [for example, through athletics and gymnastics] Compare their performances with previous ones and demonstrate improvement to achieve their personal best.	Cricket Striking and fielding games Athletics – preparation for Sports Day Consolidate and improve the quality, range and consistency of techniques they use for particular activities Run consistently and smoothly at different speeds Demonstrate different combinations of jumps, showing control, coordination and consistency Throw a range of implements into a target area with accuracy



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	To be able to comment or sessions and how to impro	ove			and long distance Sprint 80m at correct p Throw a given item with accuracy Describe and evaluate to performance, and recorperformance that need Describe the short-term the body. Describe how the body of activity Carry out stretching and safely Swimming Perform a sequence of floating on the surface Swim approx. 10m usin strokes (back, breast, fr To perfect the breast st front crawl.	the effectiveness of gnise aspects of improving n effects of exercise on reacts to different types d warm-up activities changing shapes whilst g a range of different ont crawl) croke, back stroke and rove the quality of their
Music	The Orchestra + RMT's Whole Class Strings + Harvest Assembly - Learning about the orchestra and its four	The Orchestra + Whole Class Strings + Carol Assembly - Peter and the Wolf: develop appreciation of different timbres and	Exploring Music from Other Countries (Explorers and Adventurers) - Listen to traditional music from China,	Exploring Music from Other Countries + Spring Concert - Listen to music from Brazil	Amazing Egyptians - Sing Egyptian themed songs - Exploring layers in a piece of music,	Amazing Egyptians + Class Ensemble - Reading Egyptian- themed rhythms - Composing their own
	families: Strings, Woodwind, Brass and Percussion	how important they are in musical story-telling.	played on a pipa - Understanding the pentatonic scale.	- Appreciating a piece of classical music inspired by Brazilian folk music.	creating different textures - Understanding the different effects	rhythms Class ensemble:



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	- Learning about the instruments in each family Listening to a wide selection of orchestral music, featuring individual instruments Demonstrations/videos from instrumental	- Class/ group compositions based on Peter and the Wolf. Whole Class Strings led by the Richmond Music Trust - Learning how to use the bow with various	- Improvise and compose, using the pentatonic scale Play tuned percussion reading graphic scores Listen to music from India Compare ragas with pentatonic scales and	- Compose train journey scores to perform - Appreciating steel band music from Trinidad and Tobago and singing a song in the same style - Listen to and	created in music by varying timbre, texture and dynamics Reading graphic scores with percussion instruments - Create own graphic	- Learning a piece for multiple parts - Rehearsals using percussion instruments, recorders and whatever instruments they are learning - Developing ensemble skills
	teachers. Whole Class Strings led by the Richmond Music Trust - Learning names of strings for violins, violas and cellos Playing and resting positions How to pluck the strings Various open string pieces.	open string pieces. - Developing ensemble skills. - Perform to an audience - Opportunity to continue learning string instruments next term in paired lessons	the western solfa scale.	appraise music from Norway - Develop confidence and accuracy of performance in preparation for their Spring Concert.	scores, composing and performing group pieces for percussion instruments	- Leading to various ensembles to join in Upper School
PSHE	Teamwork - class contract; strengths of the community; Network Rail – safety talk; Road safety talk; Gratitude; Big Draw – teamwork	Open mindedness - Anti-Bullying Week Caring Friends- Know how important friendships are in making us feel happy and secure, and how people choose and make friends To develop strategies to resolve disputes and conflict through	New year, new start - goals; British Values; Drugs and Alcohol x3 - doing the right thing. Safer Internet Day What is personal information? What is OK to share? What to do if you feel uncomfortable with the internet. Online Relationships	Sex & Relationships Education; Respectful Relationships Mother's Day Environmental/ sustainability How can we be less wasteful? (putting lids on pens so they don't run out, using things properly so they don't break, turning taps off)	Respectful Relationships Know practical steps they can take in a range of different contexts to improve or support respectful relationships Healthy Eating Being Safe -what sorts of boundaries are appropriate in	Taking stock of how the year has gone – where do we want to be, looking forward? Reflections; Transition; Sports Day – Teamwork;



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negotiation and	-that people	friendships with peers
appropriate compromise	sometimes behave	and others (including
	differently online,	in a digital context)
Values: Money and Me	including by pretending	that each person's
Costing the Earth -	to be someone they	body belongs to
conserving energy	are not	them, and the
	Positive Mental	differences between
	Health	appropriate and
	To know that there is a	inappropriate or
	normal range of	unsafe physical, and
	emotions (e.g.	other, contact
	happiness, sadness,	Know where to get
	anger, fear, surprise,	advice and support
	nervousness) and scale	Environmental/
	of emotions that all	sustainability
	humans experience	How does travel
	See PSHE Association	affect the
	lesson 1: Everyday	environment? How
	feelings plan	can we be more
		transport aware?
		Positive Mental
		Health - What have
		you enjoyed most
		about Y3?
		A questionnaire to
		complete about what
		they have liked /
		disliked about Y3.
		What have they
		learnt? Which trip
		they enjoyed most
		etc.



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RE / P4C	<u>Buddhism</u>	<u>Dietary laws</u>	Christianity	<u>Humanism</u>	<u>Judaism</u>	Birth Ceremonies
	Are all Buddhists happy? Significant People The Buddha and his followers, King Ashoka, The Dalai Lama Assembly: Introduction to Buddhism — living the noble 8-fold path (Sept) Assembly: Buddhism — Kathina Day (Nov)	Why do religions dictate the food you can eat? Vegetarian – Buddhism, Hinduism, Sikhism Rules of Halal/Haram - Islam Rules of Kashrut and Kosher foods – Judaism Humanists as thoughtful and ethical consumers who respect the environment and animal welfare – vegetarians and vegans.	What did Jesus look like and how do we know? Sacred texts The Bible – Old Testament and New Testament Jesus and people associated with the origins of Christianity.	What is a dilemma and how can it be solved? Buildings for worship — Humanists UK rent an office in London, South Place Ethical Society owns Conway Hall in London, Leicester Secular Society holds meetings in its own building. Understanding that Humanists do not have sacred texts but may use fables, traditional tales, and stories that explore human nature, the human condition and moral dilemmas.	What can we learn about Judaism from visiting a synagogue? Trip to Richmond Synagogue to focus on Place of Bimah, Ark containing scrolls, menorah, Ner Tamid and Star of David.	How and why are births celebrated? Christianity – baptism and dedication Assembly: The baptism of Jesus –birth & naming ceremonies – Christian; Sikhism; Islam Hinduism – birth ceremony (naming the child) Sikhism – birth ceremony Humanism – baby naming ceremony
Spanish	Describe parts of the body Vocab: cabeza, cara, pelo, ojos, nariz, boca, orejas, cuello, brazos, piernas, pies, manos. Corto, largo, pequeño, grande, alto, bajo, moreno,rubio, castaño.	Give opinions and tell preferences Vocab: Me encanta(n), A mí, si, A mí, no, A mí también, A mí, tampoco. Sports and leisure activities	Tell the time Vocab: Son/es las/laen punto. Y media, menos cuarto, y cuarto. Verbs in infinitive (+ ing)	Birthday: to write an invitation Vocab: Feliz cumpleaños, ¿Cuándo es tu cumpleaños?, Mi cumpleaños es enTe invito a mi cumpleaños. ¿Qué regalo quieres?	Identify and name parts of a city Vocab: parque, hospital, ayuntamiento, estación de autobuses, polideportivo,	Health (Recap parts of the body) Vocab: Me duele (n), resfriado, dolor de(part of the body), fiebre, estoy enfermo/a, no me encuentro bien, ¿qué te duele? Me duele



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Demonstrative pronouns Vocab: este, esta, ese, esa, aquel, aquella. Concordance adjectives and nouns	Vocab: Correr, montar en bici, patinar, jugar al tenis, montar a caballo, montar en monopatín, jugar al fútbol, nadar, jugar al baloncesto, jugar al balonmano, bailar.	Vocab: Jugar, comer, dormir, desayunar, leer, visitar. Daily routines (using verbs in infinitive)	Quiero, ¿Cuántos años cumples? Cumplo, fiesta, globos, tarta, refrescos, bocadillos. Give an opinion about presents Numbers from 1 –	supermercado, biblioteca, colegio. The verb 'to go' (Ir)	
	bailar. Tell and ask for personal information		Numbers from 1 – 100		