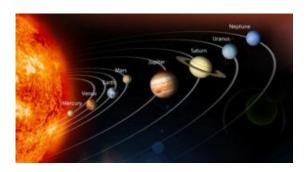


Year 5 - Spring 2023 Theme Booklet

Tomorrow's World



English

We will be writing biographies based on true events of a famous scientist in History and researching to write non-chronological reports linked to our science topic.

Additionally, we will be reading our class stories – Until I Met Dudley and Darwin's Dragons and writing various pieces of writing related to these.

<u>Maths</u>

We will be re-applying our knowledge of place value and the four operations to problem solve. We will also be learning about fractions, decimal and percentage equivalents.

Science

We will be learning about the Earth and beyond in our Space topic, investigating topics such as how night becomes day, the four seasons, and the different phases of the moon.

History

Our History topic will be linked with English this term to write biographies based on true events of significant figures in History.

<u>DT</u>

We will be designing, creating and evaluating model aliens, using sewing and joining skills.

<u>Art</u>

We will be using paint, sculpture and texture to create art influenced by Alien landscapes.

Music

We will be learning about the history of Blues music, looking at the Blues scale and learning how to play the chord sequence of the 12- bar Blues.

R.E

We will be discussing and enquiring from a range of religious perspectives into the question 'If God is everywhere, why go to a place of worship?'

PSHCE

This term we will be looking in more detail at keeping our bodies healthy. This may include: understanding the physical and emotional changes that take place during puberty, why they are taking place and the importance of personal hygiene. We will also be discussing how to manage changing emotions and recognise how they can impact on relationships.

Geography

We will be learning about time zones, such as Prime/ Greenwich Meridian, and discussing the climate of the Canaries and Balearic Islands and linking with our Spanish lessons.

Computing

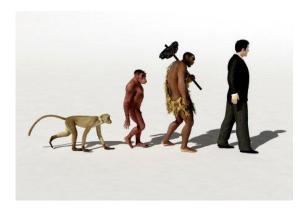
We will be learning how to handle, record and present data using different programmes and databases. As well as this, we will be using coding programmes to create our own game, with a focus on writing our own algorithms.

P.E & Games

We will be working on balance, strength and agility during gymnastics lessons and developing teamwork skills with learning how to play Netball.

<u>Spanish</u>

We will be learning about the weather, seasons and how to tell the time. We will also be linking our Spanish with our Geography topic to learn about the climate in certain Spanish countries.





	Strand	National curriculum	Expectation
Science	Working scientifically	 planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs using test results to make predictions to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations identifying scientific evidence that has been used to support or refute ideas or arguments 	 Read, spell and pronounce scientific vocabulary accurately Relate the outcome from an enquiry to scientific knowledge, in order to state whether evidence supports or refutes an argument or theory Explain a conclusion from an enquiry Explain causal relationships in an enquiry Report findings from enquiries in a range of ways Use the outcome of test results to make predictions and set up a further comparative fair test make Record date and results using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs Measure accurately and precisely, using a range of equipment Control variables in an enquiry Plan different types of scientific enquiry.
	Earth and space	Pupils should be taught to: • describe the movement of the Earth and other planets relative to the sun in the solar system • describe the movement of the moon relative to the Earth • describe the sun, Earth and moon as approximately spherical bodies • use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky	



	Strand	National curriculum	Expectation
	E Safety	Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	 To understand the advantages, disadvantages and purposes of altering an image digitally and the reasons for this To be aware of appropriate and inappropriate texts, photographs, videos and the impact of sharing them online. To ensure reliability through using different methods of communication.
	Technology (Digital Literacy)	Understand the opportunities [networks] offer for communication and collaboration 4. Be discerning in evaluating digital content	 To recognise and evaluate different types of information I find on the World Wide Web. To describe the different parts of a webpage. To find out who the information on a webpage belongs to.
Computing	Information technology	Use search technologies effectively 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	 To review an existing website and structure. To plan features of a web page. To design own website using a programmes editing tools.
0	Computer science	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Use sequence, selection, and repetition in programs; work with variables and various forms of input and output Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs Understand computer networks including the internet; how they can provide multiple services, such as the World Wide Web Appreciate how [search] results are selected and ranked	 To design and program a character game using block or java script code. To design own programmable sprite character. To add features and effects to enhance a game. To create a backdrop, sprite and new algorithm for a new game (no template).



	Strand	National curriculum	Expectation
Geography	Locational Knowledge	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. 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. 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)	To identify and describe the significance of the Prime/ Greenwich Meridian and time zones including night and day.
	Human and physical feature	Describe and understand key aspects of: Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle. Human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water	 To understand weather patterns around the world and relate these to climate zones. To understand how humans affect the environment over time.
	Geographical skills and fieldwork	Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied. 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 ② use fieldwork to observe, measure, record and present the human	Using Maps • To begin to use atlases to find out about other features of places. (e.g. find wettest part of the world) Style fo Map • To use index and contents page within atlases.



		and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.	
	Strand	National curriculum	Expectation
History	Chronological understanding	Pupils should continue to develop a chronologically secure knowledge and understanding of British, local and world history, establishing clear narratives within and across the periods they study.	 To place the time studied on a timeline, compare where this fits in to topics previously studied to provide a greater Historical perspective. To gain greater Historical perspective by placing their growing knowledge into different contexts. To use and relevant terms and period labels - Empire, civilisation parliament and peasantry, continuity and change, Cause and consequence, similarity, difference and significance. To make comparisons between different times in the past. To develop a chronologically secure knowledge and understanding of British, local and Word History, establishing clear narratives within and across the periods studied.
	Historical enquiry	Pupils should regularly address and sometimes devise historically valid questions about change, cause, similarity and difference, and significance.	 To select relevant sections of information. To use the library and internet for research with increasing confidence. To answer and devise own Historically valid questions about change, cause, similarity and difference and significance
	Organising and presenting	Pupils should develop the appropriate use of historical terms	 To recall, select and organise historical information. To construct informed responses that involve thoughtful selection and organisation of relevant Historical information. To communicate their knowledge and understanding through discussion, drawin



	Strand	National curriculum	Expectation
Art and Design	Exploring	To create sketch books to record their observations and revisit ideas.	 To use sketchbooks Plan a sculpture through drawing and other preparatory work. To use the sketch book to plan how to join parts of the sculpture. To keep notes which consider how a piece of work may be developed further To use sketchbooks to collect and record visual information from different sources as well as planning, trying out ideas, plan colours and collect source material for future works. To adapt work as and when necessary and explain why.
	Painting	KS2 Pupils should be taught to improve their mastery of art and design techniques, including painting with a range of materials.	To confidently control the types of marks made and experiment with different effects and textures inc. blocking in colour, washes, thickened paint creating textural effects.
	Sculpture	KS2 Pupils should be taught to improve their mastery of art and design techniques, including sculpture with a range of materials.	 To work in a safe, organised way, caring for equipment. Secure work to continue at a later date. To gain experience in model ling over an armature: newspaper frame for modroc. To use recycled, natural and manmade materials to create sculptures, confidently and successfully joining. To show increasing confidence to carve a simple form. To use language appropriate to skill and t create sculptures, confidently and successfully joining. To show increasing confidence to carve a simple form. To use language appropriate to skill and technique.
	Texture pattern colour line and tone	KS2 Pupils should be taught to improve their mastery of art and design techniques with a range of materials.	To included tones and tints, light and shade becoming increasingly subtle as understanding and skill in using the techniques develops.



	Responding to art	KS2 pupils should be taught about great artists, architects and designers in history.	 To recognise the art of key artists and begin to place them in key movements or historical events. To discuss and review own and others work, expressing thoughts and feelings, and identify modifications/ changes and see how they can be developed further. Identify artists who have worked in a similar way to their own work. To explore a range of great artists, architects and designers in history. To compare the style of different styles and approaches.
	Strand	National curriculum	Expectation
PE	Games	Pupils should continue to apply and develop a broader range of skills, learning how to use them in different ways and to link them to make actions and sequences of movement. They should enjoy communicating, collaborating and competing with each other. They should develop an understanding of how to improve in different physical activities and sports and learn how to evaluate and recognise their own success. Pupils should be taught to: • use running, jumping, throwing and catching in isolation and in combination; • play competitive games, modified where appropriate [for example, badminton, basketball, cricket, football, hockey, netball, rounders and tennis], 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.	 Health and Fitness To know and understand the reasons for warming up and cooling down. To explain some safety principles when preparing for and during exercise. Striking and hitting a ball To use different techniques to hit a ball. To identify and apply techniques for hitting a tennis ball. To explore when different shots are best used. To develop a backhand technique and use it in a game. To practise techniques for all strokes. Throwing and catching a ball To consolidate different ways of throwing and catching, and know when each is appropriate in a game. Travelling with a ball To use a variety of ways to dribble in a game with success. To use ball skills in various ways and begin to link together. Passing a Ball



	Spring 2 Greative III	
		To pass a ball with speed and accuracy using appropriate techniques in
		a game situation.
		Possession
		• To keep and win back possession of the ball effectively in a team game.
		Using Space
		To demonstrate an increasing awareness of space
		Attacking and Defending
		To choose the best tactics for attacking and defending. Shoot in a
		game. Use fielding skills as a team to prevent the opposition from
		scoring.
		Tactics and Rules
		To know when to pass and when to dribble in a game.
		To devise and adapt rules to create their own game.
		Compete/Perform
		To consistently perform and apply skills and techniques with accuracy
		and control.
		To take part in competitive games with a strong understanding of
		tactics and composition.
		Evaluate
		• To choose and use criteria to evaluate own and others' performance.
		• To explain why they have used particular skills or techniques, and the
		effect they have had on their performance
Gymnastics	The main KS2 national curriculum aims covered in the Gymnastics	Health and Fitness
Í	units are:	To know and understand the reasons for warming up and cooling
	Develop flexibility, strength, technique, control and balance [for	down.
	example, through athletics and gymnastics].	To explain some safety principles when preparing for and during
	2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	exercise.



School Driver Focus Spring 1 – Effective Participator Spring 2 – Creative Thinker

Spring 2 – Creative Thinker		
	Compare their performances with previous ones and demonstrate	Acquiring and Developing Skills in Gymnastics (General)
	improvement to achieve their personal best	• To confidently use equipment to vault in a variety of ways.
		To apply skills and techniques consistently.
		To develop strength, technique and flexibility throughout
		performances.
		To combine equipment with movement to create sequences.
		Vault
		To hurdle step onto springboard
		To squat on vault
		To straddle on vault
		To star jump off
		To tuck jump off
		To straddle jump off
		To pike jump off
		To squat through vault
		Shapes & Balances
		To balance on apparatus
		To complete part body weight partner balances
		Compete/Perform
		• To perform own longer, more complex sequences in time to music.
		To consistently perform and apply skills and techniques with accuracy
		and control.
		Evaluate
		• To choose and use criteria to evaluate own and others' performances.

• To explain why they have used particular skills or techniques, and the

effect they have had on their performance.



	Strand	National curriculum	Expectation
Music	Singing	Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression	 To sing a broad range of songs from an extended repertoire with a sense of ensemble and performance. This should include observing phrasing, accurate pitching and appropriate style. To sing three-part rounds, partner songs and songs with a verse and a chorus. To perform a range of songs in school assemblies and in school performance opportunities.
	Listening	Listen with attention to detail and recall sounds with increasing aural memory; Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians; develop an understanding of the history of music.	 To improvise freely over a drone, developing sense of shape and character, using tuned percussion and melodic instruments. To improvise over a simple groove, responding to the beat, creating a satisfying melodic shape; experiment with using a wider range of dynamics, including very loud (fortissimo), very quiet (pianissimo), moderately loud (mezzo forte), and moderately quiet (mezzo piano)
	Composting	Improvise and compose music for a range of purposes using the inter-related dimensions of music.	 To compose melodies made from pairs of phrases in either C major or A minor or a key suitable for the instrument chosen. These melodies can be enhanced with rhythmic or chordal accompaniment. To work in pairs, compose a short ternary piece. To use chords to compose music to evoke a specific atmosphere, mood or environment. Equally, pupils might create music to accompany a silent film or to set a scene in a play or book. To capture and record creative ideas, using graphic symbols, rhythm notation and time signatures, staff notation or technology.
	Performing	Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.	 To play melodies on tuned percussion, melodic instruments or keyboards, following staff notation written on one stave and using notes within the Middle C-C'/do-do range. To understand how triads are formed, and play them on tuned



	Spring 2 - Cleative Tilline		
			 percussion, melodic instruments or keyboards. Perform simple, chordal accompaniments to familiar songs. To perform a range of repertoire pieces and arrangements combining acoustic instruments to form mixed ensembles, including a school orchestra. To develop the skill of playing by ear on tuned instruments, copying longer phrases and familiar melodies.
	Strand	National curriculum	Expectation
Design Technology	Design	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. Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design	 To use internet and questionnaires for research and design ideas To take a user's view into account when designing To begin to consider needs/wants of individuals/groups when designing and ensure product is fit for purpose To create own design criteria To have a range of ideas To produce a logical, realistic plan and explain it to others. To use cross-sectional planning and annotated sketches To make design decisions considering time and resources. To clearly explain how parts of product will work. To model and refine design ideas by making prototypes and using pattern pieces. To use computer-aided designs
De	Make	Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately 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	 To select suitable tools and equipment, explain choices in relation to required techniques and use accurately To select appropriate materials, fit for purpose; explain choices To work through plan in order. To realise if product is going to be good quality



		• To measure, mark out, cut and shape materials/components with some
		accuracy
		• To assemble, join and combine materials and components with some
		accuracy
		To apply a range of finishing techniques with some
Evaluate	Investigate and analyse a range of existing products.	To evaluate quality of design while designing and making
	Evaluate their ideas and products against their own design criteria	To evaluate ideas and finished product against specification,
	and consider the views of others to improve their work.	considering purpose and appearance.
	Understand how key events and individuals in design and technology	To test and evaluate final product
	have helped shape the world	To evaluate and discuss existing products, considering: how well
		they've been made, materials, whether they work, how they have been
		made, fit for purpose
		To begin to evaluate how much products cost to make and how
		innovative they are
		To research how sustainable materials are
		To talk about some key inventors/designers/ engineers/
		chefs/manufacturers of groundbreaking products
Technical	Select from and use a wide range of textiles according to their	To think about user and aesthetics when choosing textiles
Knowledge:	characteristics	To use own template
Textiles		To think about how to make product strong and look better
		To think of a range of ways to join things
		To begin to understand that a single 3D textiles project can be made
		from a combination of fabric shapes



	<u> </u>	Spring 2 Greative Tim	-
	Strand	National curriculum	Expectation
	If God is		Make connections between how believers feel about places of worship
	everywhere		inn different traditions.
	why go to a		• Select and describe the most important functions of a place of worship
RE	place of		in the community.
~	worship?		• Give examples of how places of worship provide support at difficult
	(expressing)		times and explain why this matters to believers.
			Present ideas about the importance of people in a place of worship for
			the community.
	Strand	National curriculum	Expectation
	Health and	Pupils will be taught:	Physical, Emotional and Mental - What's Puberty?
	Wellbeing	1. What is meant by a healthy lifestyle?	To know about, recognise and understand changes that occur during
		2. How to maintain physical, mental and emotional health and	puberty
		wellbeing.	Healthy Lifestyles - You Choose!
		3. How to manage risks to physical and emotional health and	To understand the importance of making change in adopting a more
		wellbeing.	healthy lifestyle
出		4. Ways of keeping physically and emotionally safe.	Tobacco - Up In Smoke
S		5. about managing change, including puberty, transition and loss.	To take action based on responsible choices
4		6. How to make informed choices about health and wellbeing and to	To identify the different kinds of risks associated with the use and
		recognise sources of help with this.	misuse of a range of substances and the impact that misuse of
		7. How to respond in an emergency.	substances can have on individuals, their families and friends
		8. To identify different influences on health and wellbeing.	To make responsible, informed decisions relating to medicines, alcohol,
			tobacco and other substances and drugs
			Substance Abuse - Let's Be Frank!
			To take action based on responsible choices



	5p6 = 6.5a.a.s			
	Growing and Relationships	Pupils will be taught: 1. How to develop and maintain a variety of healthy relationships, within a range of social/cultural contexts. 2. How to recognise and manage emotions within a range of relationships. 3. How to recognise risky or negative relationships including all forms of bullying and abuse. 4. How to respond to risky or negative relationships and ask for help. 5. How to respect equality and diversity in relationships	 To identify the different kinds of risks associated with the use and misuse of a range of substances and the impact that misuse of substances can have on individuals, their families and friends To make responsible, informed decisions relating to medicines, alcohol, tobacco and other substances and drugs Physical, Emotional and Mental - Three Dimensional To know about the basic synergy between physical, emotional and mental health Confidentiality - Secret Info To recognise that there are many different ways to communicate To understand the need for confidentiality in certain situations Listening - I'm All Ears! To know and understand the importance of listening to others To understand the role of the listener in any relationship Responding - Scenarios To recognise that there are many ways to communicate To understand the need to both listen and speak when communicating with others 	
	Strand	National curriculum	Expectation	
Spanish	Listening	 Listen attentively to spoken language and show understanding by joining in and responding Explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words 	 To begin to show understanding of more complex sentences in 'authentic' conversation, picking out specific vocabulary. To understand the main points of a short spoken passage made up of a few familiar words and phrases, delivered slowly and clearly. 	
	Speaking	 Engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help* Speak in sentences, using familiar vocabulary, phrases and basic language structures 	 To ask and answer questions on the current topic. To produce some short phrases independently (without written support) within a familiar topic, with good pronunciation. 	



	 Develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases* Present ideas and information orally to a range of audiences 	
Writing	 Write phrases from memory, and adapt these to create new sentences, to express ideas clearly describe people, places, things and actions orally* and in writing 	 To begin to use dictionaries to find the meaning of unknown words and to translate own ideas. To write words, phrases and short simple sentences from his/her repertoire from memory with understandable spelling.
Reading	 Read carefully and show understanding of words, phrases and simple writing Appreciate stories, songs, poems and rhymes in the language Broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary 	 To read and show understanding of more complex written phrases To read and show understanding of a piece of writing based on the current topic. To read short passages and answer questions on what they have read.
Grammar	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	To use all persons of several regular verbs in the present tense (with the support of a frame).
Culture		Respect and understand cultural diversity Understand how symbols, objects and pictures can represent a country Talk about, discuss and present information about a country's culture. Focus on La Tomatina festival (historical event)

