Year 6 Long Term Plan 2022/23

Year 6



En: Writing to Entertain; Writing to Inform

Ma: White Rose Maths Autumn Block

Sc: Animals, including humans (the heart/circulatory system); Light

G: Study of Scottish Highlands (UK) and Yucatan Peninsula (North America)

H: Ancient Maya

DT: Sewing/textiles – Embellished item (Bookmark)
Cooking – healthy Mexican dish (e.g. salsa)

Art: Drawing; Painting; Collage; Sculpture / 3D form.

MFL: Food; Numbers 100 – 1,000; The Day of the Dead; Spanish/Hispanic Christmas traditions

Mu: Listen, improvise, play and perform – *Charanga*

P.E: Frisbee, Gymnastics

Co: E-safety – a balanced lifestyle; Computer Science – write, design and debug a game;



EXTREME EARTH

En: Writing to Entertain; Writing to Inform

Ma: White Rose Maths Spring Block

Sc: Living things and their habitats (classification); Evolution and Inheritance

G: Greece and the Mediterranean; Antarctica; Earthquakes and Volcanoes

H: Ancient Greece

DT: Cooking - 3 course meal

Art: Drawing; Painting;

MFL: Sports and Hobbies; Daily routines; Easter traditions

Mu: Listen, explore, sing, perform – *National Anthems*

P.E: Dance; Athletics

Co: E-safety – appropriateness of information; Media – combine forms of media and create a



En: Writing to Persuade; Writing to Discuss

Ma: White Rose Maths Summer Block

Sc: Electricity; Revision and Consolidation.

G: Study of Saltaire, UK

H: Industrial Revolution and the Victorians (Study of a theme in British History beyond 1066.)

DT: Construction – Wooden item Sewing/textiles – Embellished item (End of year memory)

Art: Drawing; Painting; Printmaking; Textiles.

MFL: Ways of travelling; Directions; Dos de Mayo; End of year traditions

Mu: Listen, improvise, play and perform – *Y5/6 performance*

P.E: Tennis; Orienteering

Co: E-safety – digital footprints; Media – create interactive products and manipulate sound files; Information Literacy –search engines and rankings

Information Literacy – reliability and validity of information	green screen; Data handling – sort information efficiently (branching database)	
R.E: Pilgrimage – Why is pilgrimage important to some religious believers? Kingdom of God – What kind of king is Jesus?	R.E: God – What does it mean if God is holy and loving?; Salvation – What difference does the Resurrection mean to Christians?; How does religion help people live through good times and bad times?	R.E: What does it mean for Muslims to follow God?; How can following God bring freedom and justice?
PSHE: Health and Wellbeing – How can we keep healthy as we grow?	PSHE: Living in the wider world – How can the media influence people?	PSHE: Relationships – What will change as we become more independent? How do friendships change as we grow?

		Year 6 Science	
	Autumn Hola Mexico! HOLA VEXICO	Spring Extreme Earth	Summer Britain at Work SALTAIRE
Programmes of study	Animals including humans We will: - identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood - recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function - describe the ways in which nutrients and water are transported within animals, including humans	Living things and their habitats We will: - describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals - give reasons for classifying plants and animals based on specific characteristics	Electricity We will: - associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit - compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches - use recognised symbols when representing a simple circuit in a diagram
Programmes of study	Light We will: - recognise that light appears to travel in straight lines - use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye - explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them	Evolution and Inheritance We will: - recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago - recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents - identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution	

Working
scientifically

We will:

- plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- use test results to make predictions to set up further comparative and fair tests
- report and present 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
- identify scientific evidence that has been used to support or refute ideas or argument

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Locational Knowledge Where is South America? We will use maps to locate South America, concentrating on environmental regions, key physical and human characteristics, countries and major cities.

Where is Mexico?

We will:

- locate Mexico on a map, labelling major settlements, neighbouring countries, and surrounding seas;
- talk about Mexico's location using geographical language, including latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones, incl. day and night.

Spring Extreme Earth



Where is Greece?

Year 6 Geography

We will:

- locate Greece on a map, labelling major settlements, neighbouring countries, and surrounding seas;
- talk about Greece's location using geographical language, including latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones, incl. day and night.

Where is Antarctica?

We will:

- locate Antarctica (and the polar regions generally) on a map, labelling surrounding countries and seas;
- talk about Antarctica's location using geographical language, including latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones, incl. day and night.

Summer Britain at Work



Where is Saltaire?

We will:

- locate Saltaire within the UK on a map, revise the UK's four countries, major settlements, neighbouring countries, and surrounding seas;
- talk about Saltaire's location using geographical language, including latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones, incl. day and night.

<u>Place</u> <u>Knowledge</u>	What is Mexico City like? We will find out about the human and physical geography of Mexico City and describe it using geographical ideas and language. How does living in the Yucatan Peninsula compare with living in the Scottish Highlands? We will understand geographical similarities and differences by studying the human and physical geography of the Scottish Highlands and the Yucatan Peninsula.	What is Athens like? We will find out about the human and physical geography of Athens and describe it using geographical ideas and language.	What is Saltaire like? We will find out about the human and physical geography of Saltaire and describe it using geographical ideas and language.
Human and Physical Knowledge	How does living in the Yucatan Peninsula compare with living in the Scottish Highlands? Through a study of the Scottish Highlands and the Yucatan Peninsula, we will describe and understand: - types of settlement and land use; - economic activity, including trade links; - the distribution of natural resources including energy, food, minerals and water.	 Why do earthquakes and volcanoes occur in the Mediterranean region? We will: revise the geographical processes that cause mountains; learn about the geographical processes that cause earthquakes and volcanoes; describe them using geographical and scientific ideas and language. What would a trip to Antarctica be like? We will: learn about the physical features of this area learn about its wildlife and climate find out if it has always been covered in ice and why it is a frozen continent today. explore why Antarctica is important for measuring climate change; find out about tourism and its impact. 	
Geographical Fieldwork	How can I find out where Mexico is? We will: - use the 8 points of a compass, 4- and 6-figure grid references, symbols and keys (including the use of OS maps) to build knowledge of Mexico, Mexico City and the Yucatan Peninsula; - use maps, atlases and globes, and	How can I find out where Greece is? We will: - use the 8 points of a compass, 4- and 6-figure grid references, symbols and keys (including the use of OS maps) to build knowledge of Greece, Athens and the Mediterranean region; - use maps, atlases and globes, and	How can I find out where Saltaire is and what its main geographical features are? We will: - use the 8 points of a compass, 4- and 6-figure grid references, symbols and keys (including the use of OS maps) to build knowledge of Saltaire; - use maps, atlases and globes, and digital/computer mapping to locate Saltaire and

digital/computer mapping to locate Mexico, Mexico City and the Yucatan Peninsula, and describe features studied.

How can I find out where the Scottish Highlands are?

We will:

 use the 8 points of a compass, 4- and 6-figure grid references, symbols and keys (including the use of OS maps) to build knowledge of the Scottish Highlands; use maps, atlases and globes, and digital/computer mapping to locate the Scottish Highlands, and describe features studied. digital/computer mapping to locate Greece, Athens and the Mediterranean region, and describe features studied.

How can I find out where Antarctica is? We will:

- use the 8 points of a compass, 4- and 6-figure grid references, symbols and keys (including the use of OS maps) to build knowledge of Antarctica and the surrounding area;
- use maps, atlases and globes, and digital/computer mapping to locate Antarctica and describe features studied.

describe features studied;

 Use a range of fieldwork methods, including sketch maps, plans and graphs, and digital technologies, to observe, measure, record and present the human and physical features in the Saltaire area of Bradford.

		Year 6 History	
	Autumn Hola Mexico! HOLA VEXICO	Spring Extreme Earth	Summer Britain at Work SALTAIRE
Changes in Britain			Study of a theme or aspect in British History that extends pupils' chronological knowledge beyond 1066 Why do we remember Britain's Industrial Revolution? We will learn about the Industrial Revolution and how it shaped Victorian Britain.
Local History Study			Why is Saltaire important in the history of our local area? We will learn about Saltaire as an example of a site dating from a period beyond 1066 that is significant in the locality.
Earliest Civilisations		What have the Ancient Greeks ever done for us? We will find out about Ancient Greece by studying the lives and achievements of the Ancient Greeks, and their influence on the modern world.	
Non- European Society	Who were the Ancient Maya? We will find out the Maya civilization c.AD900 as an example of a non-European society that provides contrasts with British History.		

		Year 6 Design Briefs (DT)	
	Autumn Hola Mexico! HOLA EXICO	Spring Extreme Earth	Saltaire
Challenges to solve	Can you be the next top joiner/cabinet-maker?	Can you be the next top chef/cook?	Can you be the next top textile designer?
Background research and design	We will: - 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, crosssectional and exploded diagrams, prototypes, pattern pieces and computeraided design	We will: - 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	 We will: 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, crosssectional and exploded diagrams, prototypes, pattern pieces and computeraided design
Knowledge of designers.	What designers do you know?	What cooks/chefs do you know?	What textile designers do you know?
Skill for life – make	We will: - 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	 We will: understand and apply the principles of a healthy and varied diet prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. 	We will: - 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

	 apply their understanding of how to strengthen, stiffen and reinforce more complex structures understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] apply their understanding of computing to program, monitor and control their products. We will: investigate and analyse a range of existing products 	We will: - investigate and analyse a range of existing products	We will: - investigate and analyse a range of existing products
<u>Evaluate</u>	 evaluate their ideas and products against their own design criteria and consider the views of others to improve their work understand how key events and individuals in design and technology have helped shape the world 	 evaluate their ideas and products against their own design criteria and consider the views of others to improve their work understand how key events and individuals in design and technology have helped shape the world 	 evaluate their ideas and products against their own design criteria and consider the views of others to improve their work understand how key events and individuals in design and technology have helped shape the world
The small make	Can you make a useful household utensil or fixing from wood?	Can you cook a quick, simple meal that includes a main dish and a pudding?	Can you make a fabric book mark with embellishments?
The big make	Can you design, pitch and sell your product at the school fair?	Can you create a 3 course meal?	Can you create a memory using textiles?

		Year 6 Art	
	Autumn Hola Mexico! HOLA VEXICO	Spring Extreme Earth	Summer Britain at Work SALTAIRE
Skills	 We will: Develop Drawing, Painting and Collage skills to create our landscape art, using paintings and photographic images of Mexico as starting points; Develop Sculpture/3D form skills, using images of Maya artefacts as starting points. 	 We will: Develop Drawing and Painting skills, using images of Greek Vases as a starting point; Develop Drawing and Painting skills, using scientific and non-scientific images of the heart as starting points. 	 We will: Develop Drawing and Printmaking skills, using Victorian and contemporary portraiture as our starting points; Develop Textiles / Collage skills, using images of Victorian samplers as a starting point.
Evaluation	We will: - Begin to give reasoned evaluations of both our own and others' work, taking into account the starting points, intentions and context behind the work.	 We will: Give reasoned evaluations of both our own and others' work, taking into account the starting points, intentions and context behind the work. Begin to adapt work according to our own and others' views and describe what we have done. 	 We will: Give reasoned evaluations of both our own and others' work, taking into account the starting points, intentions and context behind the work; Adapt work according to our own and others' views; Describe how we might develop our work further, using art language with greater sophistication.

		Year 6 Computing	
	Autumn Hola Mexico! HOLA LYEXICO	Spring Extreme Earth	Summer Britain at Work SALTAIRE
E-safety	We will: - Understand and explain the importance of a balanced lifestyle with respect to technology use.	We will: - Evaluate whether games, websites and social media are appropriate for specific age groups.	We will: - Understand and explain the importance of a positive 'digital footprint'.
Computer science	Can I create an appealing game for my age group or younger to play? We will: design, write and debug games programs that accomplish specific goals use variables in coding.		
Media		Can I combine forms of media purposefully? We will: - create a short green screen film linked to our curricular learning.	Can I create a multi-media project for a given audience? We will: - edit and manipulate multi-track music and sound, and refine it for a given audience or project.
Data handling		Can I sort information efficiently using technology? We will: - create a branching database to filter, sort and present data.	
Information Literacy	We will: - check the plausibility of information from a va - make informed judgments about the validity of understand how search engines work and ran	of information on a website and be aware of bi	ias.

		<u>Year 6 Music</u>	
	Autumn Hola Mexico! HOLA EXICO	Spring Extreme Earth	Summer Britain at Work SALTAIRE
Singing and Performing: Variety of instruments	Perform significant parts from memory and notations with awareness of my own contribution. Sing or play from memory with confidence, expression and in tune.	Refine and improve my own work. Perform alone and in a group, displaying a variety of techniques.	Take turns to lead a group. Sing a harmony part confidently and accurately.
Listening	Notice, comment on and compare the use of musical devices.	Notice, comment on and compare the relationship between sounds.	Notice, comment on, compare and explore how music reflects different intentions.
Composing	Show thoughtfulness in selecting sounds and structures to convey an idea. Create own musical patterns.	Improvise melodic and rhythmic material within given structures.	Use a variety of different musical devices including melody, rhythms and cords.
Musical Notation	Use a variety of notation when performing and composing. Compose music for different occasions using appropriate musical devices.	Quickly read notes and know how many beats they represent. Use a range of words to help describe music (pitch, tempo, dynamics etc).	Describe music using musical words and use this to identify strengths and weaknesses in music.
Music Appreciation	Analyse and compare musical features choosing appropriate musical vocabulary.	Analyse and compare musical features choosing appropriate musical vocabulary.	Explain and evaluate how musical elements, features and styles can be used together to compose music.
Musical History	Notice and explore how music reflects time, place and culture.	Understand and express opinions on the different cultural meanings and purposes of music, including contemporary cultural music.	Use different venues and occasions to vary my performances.
Composer / Musician Focus	Pharrell Williams	Jean Sibelius	Antonín Dvořák
Topic Links	Charanga – 'Happy' using a variety of instruments	BBC School Radio – Heroes of Troy – singing focus. Geography link – Arctic - Finlandia	BBC Ten Pieces – New World Symphony

Year 6

Autumn Hola Mexico!

Health and Well Being

How can we keep healthy as we grow?

Looking after ourselves; growing up; becoming independent; taking more responsibility PoS refs: H1, H2, H3, H4, H5, H6, H7, H8, H11, H12, H13, H14, H15, H16, H21, H22, H40, H46, R10 **Pupils will learn:**

- how mental and physical health are linked how positive friendships and being involved in activities such as clubs and community groups support wellbeing
- how to make choices that support a healthy, balanced lifestyle including: » how to plan a healthy meal » how to stay physically active » how to maintain good dental health, including oral hygiene, food and drink choices » how to benefit from and stay safe in the sun » how and why to balance time spent online with other activities » how sleep contributes to a healthy lifestyle; the effects of poor sleep; strategies thator invented; strategies to recognise this support good quality sleep » how to manage the • to evaluate how reliable different types of influence of friends and family on health choices online content and media are, e.g. videos,
- that habits can be healthy or unhealthy; strategies to help change or break an unhealthy • to recognise unsafe or suspicious content habit or take up a new healthy one
- how legal and illegal drugs (legal and illegal) can affect health and how to manage situations involving them

Spring **Extreme Earth**



Living in the wider world

How can the media influence people?

Media literacy and digital resilience; influences and decision-making; online safety PoS refs: H49, R34, L11, L12, L13, L14, L15, L16, L23 Pupils will learn:

- how the media, including online experiences, can affect people's wellbeing their thoughts, feelings and actions
- that not everything should be shared online or social media and that there are rules about this, including the distribution of • that people have different kinds of images
- that mixed messages in the media exist (including about health, the news and different groups of people) and that these can influence opinions and decisions
- how text and images can be manipulated
- blogs, news, reviews, adverts
- online and what to do about it . how information is ranked, selected, targeted to meet the interests of individuals and groups, childhood to adulthood and can be used to influence them.

Summer **Britain at Work**



Relationships

What will change as we become more independent?

How do friendships change as we grow?

Different relationships, changing and growing, adulthood, independence, moving to secondary school Sex Education. How do friendships change as we grow? PoS refs: H24, H30, H33, H34, H35, H36, R2, R3, R4, R5, R6, R16 Pupils will learn:

- relationships in their lives, including romantic or intimate relationships
- that people who are attracted to and love each other can be of any gender, ethnicity or faith (link to Valuing all God's children)
- that adults can choose to be part of a committed relationship or not, including marriage or civil partnership
- that marriage should be wanted equally by both people and that forcing someone to marry against their will is a crime
- how puberty relates to growing from
- about the reproductive organs and process

- how to recognise early signs of physical or mental ill-health and what to do about this, including whom to speak to in and outside school
- that health problems, including mental health information viewed online which is problems, can build up if they are not recognised, managed, or if help is not sought early on
- that anyone can experience mental ill-health and to discuss concerns with a trusted adult
- that mental health difficulties can usually be resolved or managed with the right strategies and support

- how to make decisions about the content how babies are conceived and born and they view online or in the media and know if how they need to be cared for • how it is appropriate for their age range
- upsetting, frightening or untrue
- to recognise the risks involved in gambling and how to manage this related activities, what might influence have
- to discuss and debate what influences people's decisions,

- growing up and becoming more independent • how to respond to and if necessary, report comes with increased opportunities and responsibilities
 - how friendships may change as they grow
- how to manage change, including moving somebody to gamble and the impact it might to secondary school; how to ask for support or where to seek further information and advice regarding growing up and changing