

Yearly Overview Year 4

2021 – 2022

Term	Autumn		Spring		Summer	
National Curriculum Subject	Smashing Saxons, Vicious Vikings	Inside Your Insides	Dive into the Deep	Islamic Intrigue	Natural Rhythm	Route 66
Reading						
Writing						
Science	<p>Materials and States of Matter</p> <p>I know the difference between a solid, liquid and a gas.</p> <p>I know the properties of solids, liquids and gases.</p> <p>I know which materials are solids, liquids and gases.</p> <p>I know what happens when a sweet is dropped into a fizzy drink.</p>	<p>Animals including Humans</p> <p>I know the names of different teeth and their functions.</p> <p>I know how different drinks can affect teeth.</p> <p>I know how toothpaste can help clean decay.</p> <p>I know what the digestive system is.</p> <p>I know the similarities and differences between the human digestive system and other animals' digestive system.</p>	<p>Animals including Humans</p> <p>I know what a producer, predator and prey is.</p> <p>I know which living things are producers, predators and prey.</p> <p>I know what a food chain is.</p> <p>I know what a food web is.</p> <p>I know what producers, predators and prey are in a given food chain and food web.</p>	<p>Covered in other units.</p>	<p>Sound</p> <p>I know what vibrations are and how they travel through a medium to the ear.</p> <p>I know how musical instruments make sound.</p> <p>I know how the shape of an ear affects how we hear sounds.</p> <p>I know how different sounds are made, including higher and lower pitch.</p>	<p>Electricity</p> <p>I know what electricity is and why it is important.</p> <p>I know how electricity is powered.</p> <p>I know which appliances need electricity.</p> <p>I know some different types of energy and how they work.</p> <p>I know the names of basic parts of a circuit.</p>

	<p>I know what happens when chocolate is melted and cooled.</p> <p>I know what happens when a liquid is frozen.</p> <p>I know what happens at each stage in the water cycle.</p> <p>I know what evaporation and condensation is.</p> <p>Working Scientifically</p> <p>I know how to make careful observations of the balloons filled with ice, water and air.</p> <p>I know how to ask questions about whether different items are solid, liquid or gas.</p> <p>I know how to make careful</p>	<p>I know the different parts of the digestive system.</p> <p>I know the functions of different parts of the digestive system.</p> <p>Working Scientifically</p> <p>I know how to make careful observations of the effect of different drinks on our teeth.</p> <p>I know how to set up an investigation to find out how toothpaste can help clean teeth.</p>	<p>Living Things and their Habitats</p> <p>I know that living things can be grouped in a variety of ways.</p> <p>I know how scientists use similarities and differences as a basis for organising animals.</p> <p>I know how to organise animals into the major groups.</p> <p>I know what a classification key is.</p> <p>I know that a classification key can be used to group living things according to their features.</p> <p>Working Scientifically</p> <p>I know how to observe different minibeasts, including looking at mouthparts and feeding.</p>		<p>I know why some materials are better for sound to travel through than others.</p> <p>I know that the length of the vibration can affect the sound.</p> <p>I know how distance can affect the sound.</p> <p>Working Scientifically</p> <p>I know how to make careful observations of the different types of sounds from instruments.</p> <p>I know how to identify higher and lower pitch sounds from different instruments.</p> <p>I know how to measure sound in decibels using a data logger.</p>	<p>I know what makes a complete circuit.</p> <p>I know why a switch is important in a circuit and what it does.</p> <p>I know what would happen if there was a break in the circuit.</p> <p>I know what a conductor and insulator is.</p> <p>I know why metals are good conductors.</p> <p>I know which materials are good conductors or insulators.</p> <p>I know which objects are good conductors or insulators and why.</p> <p>Working Scientifically</p>
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	<p>observations of effect of the sweet dropped into a fizzy drink.</p> <p>I know how to set up an investigation to fine out the time it takes for different types of chocolate to melt.</p> <p>I know how to take measurements of the time it takes the chocolate to melt.</p> <p>I know how to record my findings of the time it takes chocolate to melt.</p> <p>I know how to make predictions about an investigation.</p>		<p>I know how to classify animals in different ways.</p>		<p>I know how to take repeated measurements for accuracy.</p> <p>I know how to use the average measurement (median).</p> <p>I know how to investigate the mechanism of sound by lengthening and shortening the range of vibrations using guitar strings and straws.</p>	<p>I know how to set up a comparative test to find out which materials and objects are good conductors and insulators.</p> <p>I know how to make observations of different materials and objects.</p>
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<p>History</p>	<p>Chronological Understanding</p> <p>I know where to place significant events between AD 410 and 1066 on a timeline</p> <p>I know in which order to sequence significant individuals (Kings after King Alfred's death)</p> <p>Historical interpretation & Historical enquiry</p> <p>I know why St Bede is an important historical figure.</p> <p>I know about their beliefs about death and the afterlife.</p> <p>I know the similarities and differences between warfare of the Saxons and Vikings.</p>	<p>Covered in other adventures.</p>	<p>Covered in other adventures</p>	<p>Knowledge and understanding of past events, people and changes in the past</p> <p>I know who Muhammad was.</p> <p>I know who other key people were in the Islamic Civilisation and their contributions in science, math, art etc.</p> <p>I know why the Islamic Civilisation around 900AD is known as the Golden Age.</p> <p>I know why Baghdad was the world centre of culture and learning until 1258.</p> <p>I know what everyday life was like in Baghdad.</p> <p>I know the importance of the silk road to trade in those times.</p>	<p>Knowledge and understanding of past events, people and changes in the past</p> <p>I know what musical instruments were played traditionally around Africa.</p> <p>I know the significance music had and continues to have in African culture.</p> <p>Historical interpretation & Historical enquiry</p> <p>I know how musical instruments and the materials they are made from have changed over time.</p>	<p>Knowledge and understanding of past events, people and changes in the past</p> <p>I know who the Iroquois tribe are.</p> <p>I know what life was like as part of the Iroquois tribe around the 17th century when contact was made with the western world.</p> <p>I know some of the key people that led the Civil rights movement in the mid 1950's and the contributions they made (Rosa Parks, Martin Luther. Malcom x Etc.)</p> <p>I know why there was a Civil Rights movement.</p>
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	<p>Knowledge and understanding of past events, people and changes in the past</p> <p>I know who the Anglo-Saxons were.</p> <p>I know how the Anglo-Saxons lived.</p> <p>I know who the Vikings were.</p> <p>I know how the Vikings lived.</p> <p>I know about the struggle between the Vikings and Anglo-Saxon For the Kingdom of England – up until 1066.</p> <p>I know about the key people that influenced this period.</p>			<p>I know what caused the fall of Baghdad.</p> <p>Chronological Understanding</p> <p>I know where to place key events from Islamic history on a timeline.</p> <p>I know where to place the Islamic civilisation on a timeline in relation to other major periods of British and world history.</p> <p>Historical interpretation & Historical enquiry</p> <p>I know the what was happening in Britain and the rest of Europe parallel to the rise of the Islamic Empire.</p> <p>I know about their beliefs and customs and how they are similar and different to people that live in</p>		<p>I know how key people changed the way society worked.</p> <p>I know there was a civil rights movement in the UK.</p> <p>I know who the key people were that led the Civil rights movement in the UK.</p> <p>Chronological Understanding</p> <p>I know the sequence of some significant events and dates in Iroquois history.</p> <p>I know where to place the Iroquois tribe on a timeline in relation to other major periods of world history.</p> <p>I know the key events of the ????</p> <p>movement</p>
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our community in the 21st century.

Historical interpretation & Historical enquiry

I know the impact that settlers had on the Iroquois tribe.

I know the impact the Civil Rights movement had on the way society is now in Britain.

I know the similarities' and differences between racial equality in the past and the 21st century.

<p>Geography</p>	<p>Locational Knowledge</p> <p>I know the names of different countries in Europe (inc. Russia) and where to locate them on a map</p> <p>I know which European countries the Viking raiders came from and where to locate them on a map.</p> <p>I know where Saxon invaders settled in Britain I know which towns and villages have names derives from Saxon words</p> <p>Human and Physical Geography</p> <p>I know that there are various types of settlement in modern Britain: villages, towns,</p>	<p>Covered in other adventures</p>	<p>Human and Physical Geography</p> <p>I know that the ocean has different layers.</p> <p>I know what a river is.</p> <p>I know how the water cycle works.</p> <p>Geographical skills and Fieldwork</p> <p>I know how to use maps, atlases, globes and digital/computer mapping to locate oceans</p> <p>I know how to use the eight points of a compass, to locate where a given country in relation to a point of origin.</p> <p>I know how to use four and six figure grid references</p>	<p>Locational Knowledge</p> <p>I know the location of Baghdad, Iraq on a map of the world</p> <p>I know which countries surround Iraq and which continent it is on</p> <p>Place Knowledge</p> <p>I know that Baghdad is the capital of Iraq.</p> <p>Human and Physical Geography</p> <p>I know some human and physical features in Iraq.</p> <p>Geographical skills and Fieldwork</p> <p>I know how to locate key countries related to the region we are studying and their features using maps, atlases, globes and digital/computer mapping (Google Earth).</p>	<p>Locational Knowledge</p> <p>I know the names of some of the different countries in Africa and where to locate them on a map of the world</p> <p>Place Knowledge</p> <p>I know that the climate zones in both the African country we are studying and the UK can vary.</p> <p>I know why people might visit this region of Africa more or less than others (weather, transport links, physical features etc.</p> <p>I know that the transport system is different than in the UK and why.</p> <p>I know what language they speak,</p>	<p>Locational Knowledge</p> <p>I know the name and location of different countries within North and South America.</p> <p>I know where to find North and South America on a map of the world.</p> <p>I know the name of some famous landmarks in North and why they are famous.</p> <p>Place Knowledge</p> <p>I know what population density is and how it is different in urban and rural areas of the USA.</p> <p>I know how land use differs within the U.S.A.</p> <p>I know what population density</p>
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	<p>cities and what their features are.</p> <p>Geographical skills and Fieldwork</p> <p>I know where to plot the Anglo Saxon settlements on a map</p> <p>I Know how to create a map of the UK and local area</p> <p>I know how to represent the population density of England over time using graphs</p>				<p>the food they eat, their leisure activities and other customs.</p> <p>I know what items they trade and how this may differ to the UK</p> <p>Human and Physical Geography</p> <p>I know what a biome is.</p> <p>Geographical skills and Fieldwork</p> <p>I know how to record and repair climate data using graphs</p>	<p>is and it varies between rural and urban areas of the U.S.A. and why</p> <p>Human and Physical Geography</p> <p>I know the what physical and human features are the same and different between Birmingham, England and New York City, USA (transport, language etc.</p> <p>I know why so many people travel to New York each year from around the world.</p> <p>I know why people settle in certain places.</p> <p>I know which human and physical features make a settlement successful.</p>
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Geographical skills and Fieldwork

I know how to locate key countries related to the region we are studying and their features using maps, atlases, globes and digital/computer mapping (Google Earth).

I know how to locate key features on a map and on aerial photos.

I know how to read a tourist map and create my own using symbols and a key

<p>Art</p>	<p>3D – Norse art</p> <p>http://www.hurstwic.org/history/articles/manufacturing/text/norse_art.htm</p> <p>I know why art was important to Viking culture.</p> <p>I know why people decorate things.</p>	<p>Drawing/Digital Media/Collage – teeth</p> <p>I know different media can be combined for effect.</p> <p>I know how to combine drawing, photography and collage for effect.</p> <p>I know that images can be built up by layers.</p>	<p>Collage – under the sea</p> <p>https://www.tate.org.uk/art/artists/kurt-schwitters-1912</p> <p>I know different materials have different effects.</p> <p>I know there are different ways of cutting and attaching different materials.</p> <p>I know how Kurt Schwitters made his artwork.</p>	<p>Printing/Digital Media – Islamic Art</p> <p>I know that Islamic art has links to geometry.</p> <p>I know that Islamic art consists of repeated and interlinked patterns.</p> <p>I know that computers can be used to create patterns and shapes.</p> <p>I know that great skill is involved in creating Islamic art.</p>	<p>Painting – Jimoh Buraimoh/cubism</p> <p>I know who Jimoh Buraimoh is and where he is from.</p> <p>I know some features of the work of Jimoh Buraimoh.</p> <p>I know what Cubism is.</p> <p>I know some ways that Jimoh Buraimoh’s work is similar to Cubism.</p>	<p>Textiles – Lazy Stitch and bead embroidery</p> <p>I know that beading and embroidery is a feature of Native American culture.</p> <p>I know how customising clothing can show identity.</p> <p>I know that different stitches can be used for different purposes.</p>
<p>DT</p>		<p>A Balanced Meal</p> <p>I know what a balanced meal is.</p> <p>I know the components of a balanced meal.</p> <p>I know how to create a balanced meal.</p>		<p>Islamic Textiles</p> <p>I know why textiles are an important part of Islamic culture.</p> <p>I know some characteristics of Islamic textiles.</p> <p>I know what textiles can be used for.</p>	<p>Musical Instruments</p> <p>I know some natural materials that have been used to make musical instruments in Africa.</p> <p>I know some ways that everyday objects can be used as musical instruments.</p>	

Computing	TBC	TBC	TBC	TBC	TBC	TBC
Trips and experiences	Saxons workshop	Under your skin Think Tank	Sea Life Centre	Early Islamic Civilisation Drama Workshop	African Samba Drums Workshop	Electricity Workshop
11 before 11 promises						
Please note Maths is an internal school curriculum based on White Rose Maths Resources – see curriculum documentation.						