

Year 2 Spring Term Knowledge Organizer

Subject	Key vocabulary –	Meaning	Key facts	Key knowledge	Key Skills I will learn	I know more I can do.....
Science Plants	Germination	When the conditions are right, the seeds soak up water and swells, and the tiny new plant bursts out of it's shell.		<ul style="list-style-type: none"> • Know how seeds and bulbs grow into mature plants • Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. 	<p>To use the local environment to observe how different plants grow.</p> <p>Recognise the requirements of plants for germination, growth and survival, as well as to the processes of reproduction and growth in plants.</p>	<p>I can create a life cycle of a plant drawing.</p> <p>Recognise life stages of a plant through observation in forest school.</p>
	Sprout	When a plant sprouts it grows new shoots.				
	Shoot	The shoot grows upwards from the plant or seed to find sunlight.				
	Seed dispersal	When seeds are moved away from a parent plant by wind or animals.				
	Sunlight	Plants need light from the sun to grow. Some need more than others.				
	Water	All plants need water to grow, without it seeds and bulbs will not germinate.				
	Temperature	How warm or cold something or somewhere is.				
	Nutrition	Food or nourishment. Plants make their own food in their leaves using sunlight.				
History Titanic	chronological	A record of events following the order in which they occurred.	<ul style="list-style-type: none"> • Name: RMS Titanic • Location: 41°43'32"N 49°56'49"W (underwater wreck site) • Built: Between 1909 and 1912 • Operator: White Star Line • Madien Voyage: April 10th, 1912 • Sunk: April 15th, 1912 • Significance: A famous ocean liner that sunk in the Atlantic 	<ul style="list-style-type: none"> • Know about events beyond living memory which are significant globally. • Know about a significant historical event and how the past has changed the future. 	<p>To use questioning to learn more about a historical event.</p> <p>Recognise the time frame in which an event took place.</p> <p>Compare events from different viewpoints.</p>	<p>I can re-tell the story of the Titanic.</p> <p>I can list key dates and order things which happened during the voyage.</p> <p>I can recognise that it happened last century which is in the past.</p>
	Past	Something that has already happened.				
	Questioning words	Who, what, where, when, how, why.				
	Compare	Note the similarity or dissimilarity between things.				
	Re-tell	Tell again or differently.				
	Key dates	Important dates.				



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Geography Continents and Oceans												
	Continent	A very large area of land that includes all the islands with it.	<table border="1" style="font-size: small;"> <tr> <th style="background-color: #c8e6c9;">Continents</th> <th style="background-color: #c8e6c9;">World Oceans</th> </tr> <tr> <td>There are seven continents: Africa, Antarctica, Asia, Australasia, Europe, North America and South America. Some continents have many countries, others do not.</td> <td>There are five oceans in the world: the Arctic Ocean, the Atlantic Ocean, the Indian Ocean, the Pacific Ocean and the Southern Ocean.</td> </tr> </table>	Continents	World Oceans	There are seven continents : Africa, Antarctica, Asia, Australasia , Europe, North America and South America. Some continents have many countries, others do not.	There are five oceans in the world: the Arctic Ocean, the Atlantic Ocean, the Indian Ocean, the Pacific Ocean and the Southern Ocean.	<ul style="list-style-type: none"> Know that the world is made up of Continents and Oceans. Understand where these Continents and Oceans are located on a map. Know that landmarks are found in all continents. 	Use world maps, atlases and globes to identify the United Kingdom and its countries, as well as the countries, continents and oceans.	-I can name and locate all oceans and continents of the world.		
	Continents	World Oceans										
	There are seven continents : Africa, Antarctica, Asia, Australasia , Europe, North America and South America. Some continents have many countries, others do not.	There are five oceans in the world: the Arctic Ocean, the Atlantic Ocean, the Indian Ocean, the Pacific Ocean and the Southern Ocean.										
	Ocean	A large area of sea										
	Landmark	A well-known building or place.										
Desert	A large area of land with very little rainfall and where not much grows.											
rainforest	A large area of land with lots of trees and lots of rainfall.	<table border="1" style="font-size: small;"> <tr> <th style="background-color: #c8e6c9;">Europe</th> <th style="background-color: #c8e6c9;">Landmarks</th> <th style="background-color: #c8e6c9;">Continent Facts</th> </tr> <tr> <td>Europe is the second smallest continent. It has around 44 countries, including England. About 740 million people live in Europe. It is the third largest continent in terms of population.</td> <td>Europe has many famous landmarks, including Stonehenge in England, the Matterhorn in Switzerland and the Eiffel Tower in France. Landmarks in other continents include the Yangtze River in China (which is in Asia) and the Great Barrier Reef located off the coast of Australia.</td> <td>Half the world's population live in Asia. The largest desert in the world (the Sahara) is in Africa. North America is twice the size of Europe. Over half of Australia is desert or receives little rain. The Amazon rainforest is in South America. Antarctica is known as the 'frozen continent.'</td> </tr> </table>	Europe	Landmarks	Continent Facts	Europe is the second smallest continent . It has around 44 countries, including England. About 740 million people live in Europe. It is the third largest continent in terms of population.	Europe has many famous landmarks , including Stonehenge in England, the Matterhorn in Switzerland and the Eiffel Tower in France. Landmarks in other continents include the Yangtze River in China (which is in Asia) and the Great Barrier Reef located off the coast of Australia.	Half the world's population live in Asia. The largest desert in the world (the Sahara) is in Africa. North America is twice the size of Europe. Over half of Australia is desert or receives little rain. The Amazon rainforest is in South America. Antarctica is known as the 'frozen continent.'			Use aerial photographs when studying a country and recognise landmarks.	-I can name countries within these continents.
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								-I can name some famous landmarks.				
								-I can recall countries within the UK.				
Computing			NEXT HALF TERM									
Art African Art	Africa	A continent in the world.										
	Background	The part of a picture, scene, or design that forms a setting for the main figures or objects, or appears furthest from the viewer.										
	Landscape	All the visible features of an area of land, often considered in terms of their aesthetic appeal.										
	Silhouette	The dark shape and outline of someone or something visible in restricted light against a brighter background.										
	layering	The action of arranging something in layers.										
				<ul style="list-style-type: none"> To develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space 	How to use colour to create backgrounds and silhouettes on a painting.	I can create an African Sunset painting after learning skills to create backgrounds.						
				Recognise that colour, when painting, can be layered to create effective backgrounds.								



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DT Create a Titanic	Design	A plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made.		<ul style="list-style-type: none"> To know which materials to use to create a strong structure. To use different methods to join parts of the models together. 	<p>To develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.</p> <p>To use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing.</p> <p>To evaluate finished structure.</p>	<p>I can design a Titanic from junk modelling.</p> <p>I can build and use appropriate materials for making and joining.</p> <p>I can evaluate and discuss what went well and what could be better.</p>
	Make	form (something) by putting parts together or combining substances; create.				
	Evaluate	Form an idea of the amount, number, or value of; assess.				
Music	Long sound	A long-lasting note.		<ul style="list-style-type: none"> To know that there are different sounds in music. To know the names of these sounds. 	<p>-To identify long and short sounds when played.</p>	<p>I can write my own piece of music including long and short sounds.</p>
	Short sound	A short sounding note.				
	Symbol	A picture used to represent something.				
	Pattern	Music which is repeated.				



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				<ul style="list-style-type: none"> To know that symbols can be used in music and how to create them. 	<ul style="list-style-type: none"> -To copy a pattern of long and short sounds using instruments. -To create a sequence of long and short sounds using instruments. -To create symbols to record the sequence. 	<p>I can use symbols to reflect the long and short sounds.</p>
PE Dance	Choreography	Sequence of movements/ actions that are used to perform a dance.		<p>To know how to:</p> <ul style="list-style-type: none"> -Respond imaginatively to a range of stimuli. -To know how to move confidently and safely in general space, using changes of speed, level, and direction. 	<ul style="list-style-type: none"> -To perform movement phrases using a range of different body actions and body parts – 	<p>I can perform dances using simple movement patterns. I can explore, remember,</p>
	Dance phrase	Movements that are linked together to form part of a dance.				
	Unison	Performing the same action at the same time.				


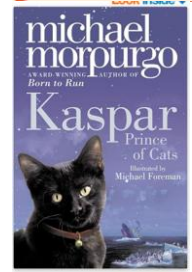
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RE Why do Christians go to Church?	Cannon	When actions/ movements are performed one after the other.		<p>-Know how to perform movement phrases using a range of different body actions and body parts – with control and accuracy.</p> <p>-To know how to compose short dances and how to move with control to music.</p> <p>-To know how to link simple movements, and combine different ways of travelling.</p>	<p>with control and accuracy.</p> <p>- To create linked movements, combining different ways of travelling, with beginnings, middles and ends.</p> <p>-To compose short dances that express and communicate mood, ideas, and feelings, varying simple compositional ideas.</p> <p>-To remember and repeat short dance phrases, showing greater control and spatial awareness.</p>	<p>repeat and link a range of actions with coordination and control.</p>
	Church	A building used for public Christian worship.	<p style="text-align: center;">Important Occasions in Church</p> <p>Baptisms - This is also known as a Christening. At somebody's baptism, the church officially welcome them into God's family.</p> <p>Both babies or adults can be baptised. The water can pour Holy water over the person's head, dunk their head in Holy water or fully immerse the person in Holy water.</p> <p>This is done because John the Baptist baptised Jesus like this in the Bible.</p>  <p>Funerals - When a Christian dies, a funeral is held for family and friends.</p> <p>This is a chance for everyone to say goodbye and to thank God for their life.</p> 	<ul style="list-style-type: none"> To know the different reasons and occasions that Christians may attend church. To understand why they do this in church. 	<p>To identify the occasions that take place in church.</p>	<p>I can recognise and describe a time when I have been to church for a special occasion and why.</p>
	Christians	A person who has received Christian baptism or is a believer in Christianity.				
	Festival	A day or period of celebration, typically for religious reasons.				
	Prayer	A solemn request for help or expression of thanks addressed to God.				

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	<p>parables</p>	<p>A simple story used to illustrate a moral or spiritual lesson, as told by Jesus in the Gospels.</p>	<p style="text-align: center;">Why do people go to church?</p> <p>During a Sunday service, the congregation will usually sing hymns and songs together as a way of worshipping God, and listen to Bible teaching and readings together.</p> <p>Christians also receive "holy communion" at church. This is where some Christians drink wine and eat bread to remember the events of the last supper. With the wine they remember Jesus' blood and with the bread they remember Jesus' body, when he was crucified on the cross.</p>  <p>Jesus took bread and wine and shared it with his disciples the night before he was killed. This is known as 'The Last Supper'.</p>			
<p>Maths Multiplication & division</p>	<p>Multiplication</p>	<p>The process of adding a number to itself a particular number of times</p>	<p style="text-align: center;">Use Arrays</p>  <p style="text-align: center; background-color: #4a4a8a; color: white; padding: 5px;"> 4 rows of 10 = 40 10 columns of 4 = 40 </p>	<ul style="list-style-type: none"> To know 2, 5 and 10 times tables. To know how to create an array to represent a multiplication sentence. To know how to share an amount into equal groups and recognise that is called division. To use repeated addition to help with tricky multiplication sentences. 	<p>To know how to multiply and divide a number by 2, 5 and 10 and use an effective method to do so.</p> <p>To recognise number patterns and odd and even numbers.</p>	<p>I can reflect what I have learnt in an end of block assessment quiz.</p> <p>I can answer number problems using multiplication and division, drawing on knowledge of arrays and equal groups to find the answer.</p> <p>I can count in 2, 5 and 10's.</p>
	<p>Division</p>	<p>Separation of something into parts or groups.</p>				
	<p>Array</p>	<p>A group of things in a certain order.</p>				
	<p>Double</p>	<p>Add a number to itself</p>				
	<p>Equal groups</p>	<p>The same number in each group.</p>				
	<p>Odd</p>	<p>A number that has one left over when divided by 2.</p>				
	<p>Even</p>	<p>An equal amount, even numbers always have partner.</p>				
	<p>Lots of</p>	<p>Multiples of/multiply</p>				
<p>Repeated addition</p>	<p>Add the same number to itself multiple times.</p>					
<p>English Composing letters, Diary</p>	<p>Conjunctions</p>	<p>A word used to connect clauses or sentences or to coordinate words in the same clause (e.g. <i>and, but, if</i>).</p>		<ul style="list-style-type: none"> To know how to use punctuation to demarcate sentences. To know the difference between past and present tense. 	<p>To write simple and coherent narratives, real events and compose letters.</p>	<p>I can write diary entries, reports and letters after careful planning.</p>
	<p>Punctuation</p>	<p>The marks, such as full stop, comma, and brackets, used in writing to separate sentences and their elements and to clarify meaning.</p>				

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	Phonetically plausible	Using phonic knowledge to spell a word even if it is not correct eg They instead of they.	<div style="text-align: center;"> <h3>Year 2</h3> <h4>Vocabulary, Grammar and Punctuation</h4> </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid orange; padding: 5px; width: 30%;"> <p>Word I can</p> <ul style="list-style-type: none"> make nouns and adjectives using suffixes make compound words compare using -er and -est use -ly to make adverbs </div> <div style="border: 1px solid orange; padding: 5px; width: 30%;"> <p>Sentence I can</p> <ul style="list-style-type: none"> extend my sentences using if, that, because extend my sentences using or, but use adjectives to describe nouns recognise statements, questions, exclamations and commands </div> <div style="border: 1px solid orange; padding: 5px; width: 30%;"> <p>Text I can</p> <ul style="list-style-type: none"> use past and present tense correctly use verbs to show actions in progress </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="border: 1px solid orange; padding: 5px; width: 30%;"> <p>Punctuation I can</p> <ul style="list-style-type: none"> use capital letters, full stops, question marks and exclamation marks use commas in a list use apostrophes to show that a letter is missing use apostrophes to show that something belongs to somebody </div> <div style="border: 1px solid orange; padding: 5px; width: 30%;"> <p>I can talk about my work using these words</p> <table style="font-size: small;"> <tr> <td>noun</td> <td>noun phrase</td> <td>verb</td> </tr> <tr> <td>statement</td> <td>compound</td> <td>comma</td> </tr> <tr> <td>command</td> <td>question</td> <td>apostrophe</td> </tr> <tr> <td>adjective</td> <td>adverb</td> <td></td> </tr> <tr> <td>tense</td> <td>suffix</td> <td></td> </tr> </table> </div> <div style="text-align: right; width: 20%;">  </div> </div> <div style="text-align: center; margin-top: 10px;">  </div>	noun	noun phrase	verb	statement	compound	comma	command	question	apostrophe	adjective	adverb		tense	suffix		<ul style="list-style-type: none"> To know how to write for different purposes and when writing needs to be formal or informal. Know how to use phonics knowledge to attempt spelling of a word. Know that two sentences can be joined together using a conjunction. To know when to use different punctuation (., !?') 	<p>To phonetically attempt to spell words.</p> <p>To use conjunctions to join sentences and consistently use the correct tenses in their writing.</p>	<p>I can use my phonics knowledge as well as subject knowledge to write coherently.</p> <p>I can use capital letters and correct punctuation in my writing.</p>
	noun	noun phrase		verb																	
	statement	compound		comma																	
	command	question		apostrophe																	
	adjective	adverb																			
	tense	suffix																			
	Present tense	Something that is happening now.																			
Past tense	Something that has happened in the past.																				
1 st person	Talking in your own voice (I, we)																				
3 rd person	Talking about others (he, they, she)																				
Formal	Writing in a short, concise manner to convey information.																				
Informal	Informal language is how you communicate with people you know well.																				