# BARNES PRIMARY SCHOOL CURRICULUM MAP YEAR GROUP: Year 2

		AUTUMN  Battles, Burns and Bandages		SPR	SPRING		SUMMER	
	THEME			Konichiwa Japan		Barnes and Beyond		
	ENGLISH	Texts studied: Something Else by Kathryn Cave The Owl and the Pussy-cat	Texts studied: Snow White in New York by Fiona French Variety of poems	Texts studied: The Whales' Song by Dyan Sheldon  Writing outcomes:	Texts studied: Sally and the Limpet by Simon James The Lighthouse	Texts studied: The Dolls' House Fairy by Jane Ray The True Story of the	Texts studied: Leaf by Sandra Dieckmann The Sound Collector by	
CURRICULUM		by Edward Lear  Writing outcomes: Retelling of Something Else  Storyboard of The Owl and the Pussy-cat	(poetry week)  Writing outcomes: Two diary entries  Writing and performing poems  Recount of a trip to the Florence Nightingale Museum or bread making	Diary Entry Non-fiction writing about Japan	Keepers' Catastrophe by Ronda and David Armitage  Writing outcomes: Retelling a story in third person  Retelling a story in first person	Three Little Pigs by Jon Scieszka  Writing outcomes: Writing a letter  Retelling a story	Roger McGough  Writing outcomes: Non-fiction writing about global warming and polar bears Writing and performing poems  A class poem	
CORE	PHONICS	/ai/ ai, ay, a-e, a, eigh, ei, ea, ey /ee/ ee, e-e, ie, ea, y, ey, e /igh/ igh, i, i-e, ie, y /oa/ oa, o-e, ow, oe, o Homophones and near- homophones suffixes	/w/ w, wh /f/ f, ff, ph long /oo/ oo, u-e, ou, ue, ew /y+oo/ u, u-e, ue, ew short /oo/ oo, u, oul /ar/ ar, a, al possessive apostrophes suffixes	/or/ or, au, aw, al, ar, a /or/ our, ore, oor, augh /ur/ ur, er, ir, ear, or /ou/ ou, ow /oi/ oi, oy contractions suffixes	/eer/ ear, eer, ere /air/ air, are, ear, ere /s/ s, ss, c, se, ce, sc, st /j/ j, g, dge, ge homophones and near-homophones suffixes	/t/ t, tt, ed /d/ d, dd, ed /n/ n, nn, kn, gn /m/ m, mm, mb /k/ c, k, ck, ch /r/ r, rr, wr /l/ l, ll /ul/ le, il, al, el possessive apostrophes suffixes	/i/ i, y /o/ o, (w)a (qu)a /e/ e, ea /zh/ s, si, ge /ch/ ch, tch /ch+u/ ture /sh/ sh, ch, ti, ci, ssi contractions suffixes	

#### **MATHS**

#### IS AUTUMN TERM 1

## Number and place value

- Recognise the place value of each digit in a two-digit number

Identify, represent and estimate numbers using different representations, including the number line Compare and order numbers from 0 to 100 Use <. > and = signs

Read and write number to at least 100 in numerals and words

Partitioning 2 and 3 digit numbers (explaining the value of each digit and where 0 is the place holder)
Recapping odd and even numbers
Partitioning numbers in different ways e.g. 23= 10+13

#### Number – addition and subtraction

Add and subtract numbers using concrete objects, pictorial representations and mentally including

- a two-digit number and ones
- a two-digit number and tens
- two two-digit numbers
- adding three one-digit numbers

Show that addition of two number can be done in any order (commutative) and subtraction of one number cannot

Recognise the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems

Recall and use addition and subtraction facts up to 20 fluently, and derive related facts up to 100 Subtraction using a number line (formal written method) Understanding various vocabulary for addition and subtraction e.g. sum, total, difference Find the difference (how many more and calculating the change) using a number line

#### **AUTUMN TERM 2**

### Number - addition and subtraction

Consolidation of the previous term addition and subtraction

Comparative subtraction (find the difference) Counting in steps of 2, 3 and 5 from 0

#### Number - multiplication and division

Recap on doubling and halving (later linked to 2 x table facts)

Recall multiplication and division facts for the 2, 3, 5 and 10 times tables

Calculate the mathematical statements for multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs

## **SPRING TERM 1**

## Number - multiplication and division

Recall multiplication and division facts for the 2, 3, 5 and 10 times tables

Calculate the mathematical statements for multiplication tables and write them using the division (÷) sign

Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot Solve problems division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

#### Number - fractions

Recognise, find and name a half as one of two equal parts of an object, shape or quantity Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity Recognise, find and write fractions for ½, 1/3, ½, 2/4, and ¾ of a length, shape, set of objects or quantity

Write a simple fraction  $\frac{1}{2}$  of 6 = 3 and recognize the equivalence of 2/4 and  $\frac{1}{2}$  Count in fractions up to 10 starting from any number

#### Measurement

Recap Y1: tell the time to the hour and half past the hour and draw the hands on a clock face to show these

## **SPRING TERM 2**

#### Measurement

Choose and use approoriate standard units to estimate and measure length/ height in andy direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/capacity and record the results using >, < and =

Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value

Find different combinations of coins that equal the same amounts of money Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

Compare and sequence intervals of time

## **SUMMER TERM 1**

## **RECAP all number**

## Geometry - position and direction

Order and arrange a combination of mathematical objects in patterns and sequences

Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise)

### **Statistics**

Interpret and construct simple pictograms, tally charts, block diagrams and simple tables

Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity

Ask and answer questions about totaling and comparing categorical data.

### RECAP all geometry, measure and shape

#### **SUMMER TERM 2**

All areas have now been taught.

We now recap subjects and focus areas may change due to specific cohort needs

## Usually

- two-digit subtract two-digit addition and subtraction
- telling the time to the nearest 5 minutes
- investigation work
- multiplication and division fluency 2, 3, 5 and 10s
- missing number problems and fact families

Show that multiplication of two numbers can be done in Tell and write the time to five minutes, any order (commutative) and division of one number by including quarter past/to the hour and draw another cannot the hands on a clock face to show these times Solve problems involving multiplication and division, Know the number of minutes in an hour and using materials, arrays, repeated addition, mental the number of hours in a day. methods, and multiplication and division facts, including problems in contexts Number Revise all written methods taught for addition, Geometry – properties of shapes subtraction, multiplication and division Identify and describe properties of 2D shapes, including the number of sides and line symmetry in a vertical line Identify and describe the properties of 3D shapes, including number of edges, vertices and faces Identify 2D shapes on the surface of 3D shapes (for example, a circle on a cylinder) Compare and sort common 2D and 3D shapes and every day objects (This unit is often finished in spring term 1)

		Topics:	Topic:	Topics:	Topic:		
	SCIENCE	Electricity (focus day)	Animals, including humans	Plants	Plants	<b>Topic:</b> Living Things and Their Habitats	<b>Topic:</b> Living Things and Their Habitats
		To handle electrical	To notice that animals,	To observe and		Their Habitats	and men napitats
		devices safely.	including humans, have	describe how seeds and	Continuing from	To explore and compare the	Continuing from
		To know where electricity	offspring which grow into	bulbs grow into mature	previous half term	differences between things	previous half term
		comes from.	adults	plants		that are living, dead, and	
		To sort devices that use	To find out about and	To find out and		things that have never been	Trip:
		mains power and batteries.	describe the basic needs	describe how plants	Forces (focus day)	alive	Kew Gardens to look
		To be able to make an	of animals, including	need water, light and a		To identify that most living	at habitats and plants
		electrical circuit.	humans, for survival	suitable temperature to	To exert a pushing	things live in habitats to	
		To draw an electrical circuit.	(water, food and air)  To describe the	grow and stay healthy	force. To exert a pulling	which they are suited and describe how different	
		To recognise items that	importance for humans of	and stay nearing	force.	habitats provide for the basic	
		use batteries and mains	exercise, eating the right		To explain how a	needs of different kinds of	
		power.	amounts of different types		pulling or pushing	animals and plants, and how	
		To understand how to use	of food and hygiene		force can make us	they depend on each other	
		electricity safely.			more.	To identify and name a	
		To make simple circuits.			To explain how a	variety of plants and animals	
					pushing or pulling	in their habitats, including	
					force can make	microhabitats	
		Park - viola (All Austrum			something else	To describe how animals	
		Materials (All Autumn			move. To understand the	obtain their food from plants and other animals, using the	
		Term)			amount of energy	idea of a simple food chain,	
		To identify and compare			exerted will impact	and identify and name	
		the suitability of a variety			the amount	different sources of food.	
		of everyday materials,			something moves.		
		including			To understand what		
		wood, metal, plastic, glass,			friction is and how		
		brick, rock, paper and			it affects		
		cardboard for particular			movement.		
		uses					
		To find out househor should					
		To find out how the shapes of solid objects made from					
		some materials can be					
		changed					
		by squashing, bending,					
		twisting and stretching.					
1			1				

COMPUTING	Topic:	Topic:	Topic:	Topic:	Topic:	Topic:
COMPUTING	E-safety ( 2 Lessons) Staying safe online Understand the importance of messages we send online - recap on Sid's top tip from Year 1. Why is it important to only send nice messages to people? What should we do if we receive a nasty message by text / email / online? Who can we tell when something goes wrong? Using a Word processor Insert text box and images from the internet Algorithms To understand algorithms. Real-life algorithms - paper aeroplanes Logical Reasoning To solve problems using Computational Thinking Skills – River crossing activity Key skills developed: To know who to tell and what to do if you see something upsetting on the internet. To be polite when talking to people, online and offline. Use Microsoft Word to create sentences and learn how to edit sentences (change font, size, colour). Use Microsoft Word to insert pictures and text. To create and de-bug simple programs. To use logical reasoning to predict the behaviour of simple programs. Problem solving, articulating ideas, perseverance, predicting, decomposition, pattern recognition, creativity and	Topic:  Algorithms – Scratch Junior  To understand algorithms. To create simple algorithms. To test and debug algorithms. To use logical reasoning to predict the behaviour of simple programs.  Key skills developed:  To understand algorithms. To create and de-bug simple programs. To use logical reasoning to predict the behaviour of simple programs. To following set of instructions. To creating own animations. Problem solving, articulating ideas, perseverance, predicting, decomposition, pattern recognition, creativity and communication.	Topic:  E-safety ( 2 Lessons) How to use search engines safely  What is the internet?  To understand how the internet can help us find information To understand how to search for information safely  To know what to do if something goes wrong  Book Creator - Japan  Cross curricular with English/Theme. Create an information book about Japan.  Insert pictures, sounds, video and text.  Key skills developed: To know that the internet is a great way to find information and communicate with people. To begin to understand that computers linked to each other i.e. through a network. To start using some simple search engines, using key words.  Insert pictures, sounds, video and text.	Topic:  Book Creator - Japan  Cross curricular with English/Theme. Create an information book about Japan. Insert pictures, sounds, video and text.	Topic:  E-safety ( 2 Lessons) Staying safe online  What is personal information?  Why might we use a nickname or screen name?  What could make a suitable or unsuitable name?  Poster Design  To design a poster for the Year 2 production. To use a Microsoft Publisher.  Key skills developed:  To begin to understand that you should not share your personal details online.  To save and retrieve work in a folder.  To use a simple design package.  To evaluate work and amend following feedback.	Topic:  Algorithms – Unplugged mazes, Beebot app, J2e  Cross curricular with maths: position, direction and movement. To create and de-bug simple programs. To use logical reasoning to predict the behaviour of simple programs.  Key skills developed:  Problem solving, articulating ideas, perseverance, predicting, decomposition, pattern recognition, creativity and communication.

	HISTORY	Learning theme:	Learning theme:	N/A	Learning theme: Life in Barnes.
		The Great Fire of London	Florence Nightingale and	·	(unit happens alternate years but to the whole key
			Edith Cavell		stage)
		Content: When and where	Content: Who was		Ğ ,
		did the fire start? Why did	Florence Nightingale?		Content: History of local area (e.g. Barnes Pond) –
		it start? Why did it spread	Who was Edith Cavell?		learning about significant people and places in their
		so rapidly and far? Why	What difference did they		own locality
		was it difficult to put the	make? Who was the more		•
		fire out? How did people	influential nurse?		Key skills developed: Place events in chronological
		escape from the fire?	Key skills developed:		order; use words and phrases relating to the passing of
		When and how did the	Place events in		time and everyday historical terms; recognise why
		fire end? Was the Great	chronological order; use		people did things, why events happened and what
		Fire a Blessing or a Curse?	words and phrases		happened as a result; identify differences between
			relating to the passing of		ways of life at different times; identify different ways
ш		Key skills developed:	time and everyday		in which the past is represented; find out about the
Σ		Place events in	historical terms; recognise		past from a range of sources of information; ask and
岩		chronological order; use	why people did things,		answer questions about the past.
<u> </u>		words and phrases relating	why events happened and		
		to the passing of time (e.g.	what happened as a		N/A
FOUNDATION SUBJECT / LEARNING THEME		before, after, a long time	result; identify differences		
<u>R</u>		ago, past); recognise why	between ways of life at		Recap of prior History learning
ΕŽ		people did things, why	different times; identify		
1		events happened and what	different ways in which		
E		happened as a result;	the past is represented;		
EC		identify different ways in	sort and weigh up		
<b>B</b>		which the past is	conflicting accounts of the		
l DS		represented; find out	past; find out about the		
Ž		about the past from a	past from a range of		
<u> </u>		range of sources of	sources of information		
		information; ask and	and develop their own		
Δ		answer questions about	perspective; ask and		
=		the past. Answer the	answer enquiry questions		
ō		enquiry question: 'Was the	and questions about the		
ш		Great Fire of London a	past. Compare the lives of		
		Blessing or a Curse?'	Florence Nightingale and		
			Edith Cavell.		
		Home learning: Research:			
		'Was the Great Fire a	Home learning: Research		
		Blessing or a Curse?'	as preparation for debate:		
		Tuim.	'Who was the more		
		Trip:	influential nurse: Edith		
		Great Fire of London workshop at the National	Cavell or Florence Nightingale?'		
		Archives (when possible)	Mighthingale:		
		, a chives (when possible)	Trip:		
			Florence Nightingale		
			Museum		
			HIGGCUIII		

GEOGRAPHY	N/A	N/A	Learning theme: Konichiwa Japan	Learning theme: Myself and My Surroundings
			Content: How is Japan similar and different to the United Kingdom? How does Barnes	Content: A local area study of Barnes
			compare to Shirakawa-go? Where is Japan? Are the four islands the same?	Key skills developed:
			What would you like to find out about Japan?	Develop knowledge about the world, the United Kingdom and their locality
			Key skills developed: Name and locate the world's seven continents	Name and locate the world's seven continents and five oceans
			and five oceans	Use world maps, atlases and globes to identify the
			Understand geographical similarities and differences through studying the human and	United Kingdom and its countries Use world maps, atlases and globes to identify the
			physical geography of a small area of the	United Kingdom and its countries,
			United Kingdom, and of a small area in a contrasting non-European country.	as well as the countries, continents and oceans studied at this key stage
			Understand the location of hot and cold areas of the world in relation to the Equator and the	Use simple compass directions (North, South, East and West) and locational and
			North and South Poles	directional language [for example, near and far; left
			Use basic geographical vocabulary to refer to: - key physical features, including:	and right], to describe the location of features and routes on a map
			beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil,	Use aerial photographs and plan perspectives to recognise landmarks and basic human and physical
			valley, vegetation, season and	features; devise a simple map; and use and construct
			weather - key human features, including: city,	basic symbols in a key Use simple fieldwork and observational skills to study
			town, village, factory, farm, house, office, port, harbour and shop	the geography of their school and its grounds and the key human and physical features
			Use world maps, atlases and globes to identify the United Kingdom and its countries,	of its surrounding environment.
			as well as the countries, continents and oceans	
			studied at this key stage Use simple compass directions (North, South,	Learning Theme Day: UK DAY  Key skills developed:
			East and West) and locational and directional language [for example, near and	Develop knowledge about the world, the United Kingdom and their locality
			far; left and right], to describe the location	Name, locate and identify characteristics of the four
			of features and routes on a map Ask geographical questions; express their own	countries and capital cities of the United Kingdom and its surrounding seas
			views about people, places and environments;	Use aerial photographs and plan perspectives to recognise landmarks and basic human and physical
				features; devise a simple map; and use and construct basic symbols in a key
				Additional learning: Learning about global warming causes and affects in our English unit)

DESIGN	Learning theme: Design	Linked to English, the	Learning theme:	NA	Learning theme: Design
TECUNOLOGY	and Make a Bread Product	children make a front	Make Japanese		and Make a glove puppet
TECHNOLOGY		cover for their Snow	sushi		
	Content: Design and make	White books.			Content: Design and
	a bread product for		Content: Write		make a puppet of a
	Thomas Farynor to sell in	Learning theme: Make a	instructions for and		character linked to text
	his bakery.	moving fire engine	make sushi		studied
	Key skills developed:	Content: Using wheels	Key skills		Key skills developed:
	To design and make a	and axles to make a fire	developed:		To design and make a
	purposeful, functional and	engine.	To design and make		purposeful, functional
	appealing product based		a purposeful,		and appealing product
	on a design criteria.	Key skills developed:	functional and		based on a design
	To explore and evaluate	To design and make a	appealing product		criteria.
	existing products.	purposeful, functional and	based on a design		To generate, develop and
	To evaluate their ideas and	appealing product based	criteria.		model and communicate
	products against a design	on a design criteria.	To explore and		their ideas through
	criteria.	To explore and evaluate	evaluate existing		talking, drawing and
	To use the basic principles	existing products.	products.		creating templates of
	of a healthy and varied diet	To evaluate their ideas	To evaluate their		their design where
	to prepare food products.	and products against a	ideas and products		appropriate.
	To understand where food	design criteria.	against a design		To select from and use a
	comes from.	To select from and use a	criteria.		range of equipment to
		range of equipment to	To use the basic		perform practical tasks.
		perform practical tasks.	principles of a		To select from and use a
		To select from and use a	healthy and varied		wide range of materials
		wide range of materials	diet to prepare food		and components.
		and components.	products.		To explore and evaluate
		To explore and use	To understand		existing products.
		mechanisms (wheels and	where food comes		To evaluate their ideas
		axles)	from.		and products against a
					design criteria.

ART	Focus: create picture of the Great Fire of London Content: use photographs/videos as inspiration to create pictures.  Key skills: observational pre drawing, exploring pattern and shape in Tudor house design, exploring printing techniques by pretesting different methods and reviewing methods, painting to create collage background.  Focus: create storyboard based on Edward Lear's 'Owl and the Pussycat' Content: create own interpretation of the story to support English study of the poem.  Key skills: represent their own imagination through drawing and pencil coloured images.	Focus: Create a front cover their own book, 'The Diary of the Step Mother' from 'Snow White in New York'.  Content: drawing colour mixing and watercolour techniques, mixed media book covers.  Key skills: pre drawing by observing, drawing and reviewing face proportions, using line and pattern to create a desired effect, using mixed media collage to create a background.	Focus: Arts week project (week long) — depends on annual whole-school focus Content and skills: dependent on whole- school focus.	Focus: 'The Great Wave of Kanagawa' by Hokusai as part of our Japan theme. Content: exploring colour and artist expression by creating own version of 'The Great Wave'. Key skills: colour mixing using a primary colour to create hues and shades of blue, explore visual elements including pattern, line and shape, discuss the work of Hokusai and how it reflects his, thoughts, time and culture, say what they think and feel about it.	Focus: 'Mental Health' poster Content: as part of the Personal Development curriculum create their own poster which communicates their key ideas. Key skills: using design to communicate key ideas. Reviewing their work.  Focus: Islamic Art Content: linking art at religion on Cultural Day. Creating either a 3D mosque, a cresent and start hanging or symmetrical Islamic pattern painting	Focus: observational drawings in science.  Content: drawing lifelike representations of living organisms and their habitats through close observation, in their habitats  Key skills: observational skills, sketching, using line to create a likeness.  Focus: Puppet Designs Content: drawing puppet designs for their favourite puppets as part of their Design Technology project.  Skills: using pencil line and colour to create line and pattern designs.  Focus: the Pagoda at Kew Content: an observational drawing of Kew's Pagoda as part of
PHYSICAL EDUCATION	Focus: Games  Several small games which are designed to improve resilience and team work.	Focus: Gymnastics  Working to create different shapes and balances in sequences that have a clear beginning, middle and end and have contrasts in direction, level and speed	Focus: Dance  To create a class dance, with some group choreography and some freestyle.  This also has a PSCHE focus as the children dance the different emotions in the dance.	Finish dance unit (as spring is a shorter term)  Focus: Team Games  Working on a variety of team games to improve sportsmanship as well as agility, fitness and speed	Focus: Team Games  Working on a variety of team games to improve sportsmanship as well as agility, fitness and speed.	their learning theme.  Skills: Using pencil line and pattern to create a likeness.  Focus: Year 2 Play Dances  Working on co- ordination, timing and performing.  Focus: Athletics  Preparation for sports day e.g. relay race, long jump, vortex throw, bean bag throw, sack race, bat and ball race).  Sports week (a variety of activites)
PERSONAL DEVELOPME NT	Focus: Identify and respect the similarities and differences between people, including body parts.	Focus: Looking after our bodies.	Focus: Feeling different or alone.  This is linked to dance. The children listen to	Focus: Emotions – Children learn about when someone's emotions get to	Focus: Mental Health  Children learn that it is  normal to feel all  emotions. They learn that	Focus: Caring for people Children learn about how to look after one another, especially more vunerable people.

	Being different makes is special.	This is linked to our health and growth science topic. Please see above.	the song 'This is Me' and identify emotions they hear about. They dance to reflect when she is feeling weaker and stronger and there is lots of discussion linking this to real life.	much it feels like 'flipping the lid'. They discuss how to cope with others showing that and how to cope if they feel that.	looking after their minds is as important as looking after their bodies. They learn what to do and who to speak to if they feel uphappy. They learn mindfulness techniques and reflect on ways to make themselves happier.	Diversity and Identity Children learn about us all being different and identify what makes them, them.  Transitions The children have lots of special transition time where they get to meet their new teacher, make friends in Y3 and explore Key Stage 2.  Personal Development Day (happens every other year as a Key Stage. Children learn about different families friendships size of the problem mindfulness
RELIGIOUS	Focus: Christianity and Islam		Focus: Buddhism		Focus: Sikhism - Living the faith	
EDUCATION	AT1:  Why are festivals important to religions? Why is Christmas important to Christians? Why is Eid-al-Fitr important to Muslims? What is the importance of gifts in these festivals? What similarities do the festivals share?  AT2: Have you ever been to a festival? How does it feel to give a present? How does it feel to receive a present? How do you feel at festivals?		AT1:    Who was the Buddha? What are the key beliefs and practices of Buddhism? Where do Buddhist go to worhip?  AT2: What can I learn from Buddhist values? Can mediation make me feel calm?  Trip: (In summer term) Japanese gardens and pagoda.		What is a What do the 5 What are the key beliefs Why is Guru Nanak  What can we lea What do most religion What is my form the work of the	T1: a symbol? actions of Sikhism. amportant to Sikhs?  T2: rn from Sikhism? ans have in common? golden rule'?  - Islam and animals T1: a Allah? out the faith of Islam? kindness towards animals? T2: a value? our values? fuslims about looking after hals? k after animals?