Year 4 Curriculum Map 2017 - 2018

	Autumn Term		Spring Term		Summer Term	
Topics	Ancient Egypt	Europe (including Russia) Place knowledge, compass points 4 figure grid references	Anglo Saxons and Scots	Rivers	Earthquakes	Crime and Punishment (theme across time + local history)
Literacy	<u>Spelling</u> Homophones and near homophones Au and augh Prefixes = in, im, il, ir 'sion' endings	<u>Spelling</u> Word endings - 'sion' 'ssion' 'tion' and cian Ough 'Challenge' spellings	<u>Spelling</u> Homophones and near homophones Nouns ending – ation Prefixes sub and super Plural possessive apostrophe	<u>Spelling</u> 'sc' pronounced s Soft c = ce and ci Common spellings – word families 'Challenge' spellings	<u>Spelling</u> Prefixes = inter, anti, auto, ex, non Word endings = ar and er	<u>Spelling</u> Suffix = ous Adverbials of frequency, manner and possibility.
	<u>P.A.G.</u> Sentence types and expansion = clauses. Word classes and usage.	<u>P.A.G.</u> Verb tenses – regular and irregular (Standard Verb Inflections)	<u>P.A.G.</u> Inverted commas. Possessive apostrophe – plural and singular.	<u>P.A.G.</u> Fronted adverbials. Determiners	<u>P.A.G.</u> Noun phrases + expansion of these.	<u>P.A.G.</u> Pronoun use. Modifying preposition phrases.
	<u>Talk 4 Writing</u> Recounts Finding Tales	<u>Talk 4 Writing</u> Reports Wishing Tales	<u>Talk 4 Writing</u> Explanations Beowulf / Defeating the Monster Tales	<u>Talk 4 Writing</u> Instructions Warning Tales	<u>Talk 4 Writing</u> Persuasion Tales of Fear	<u>Talk 4 Writing</u> Discussion Quest Tales
	<u>Reading</u> A.R. programme / Guided reading x 5 Class novel- read at end of day.		<u>Reading</u> A.R. programme / Guided reading x 5 Class novel- read at end of day.		<u>Reading</u> A.R. programme / Guided reading x 5 Class novel- read at end of day.	
Numeracy	Week 1					
	Subtract by counting up to find a difference. Add several numbers. Know complements of numbers to 100 + multiples of 100.	Double and halve 3 digit numbers. Revise fractions / equivalence. Simplify fractions. Count in fractions.	Understand place value to 4 digits / rounding to 10, 100, 1,000. Add and subtract different multiples of numbers mentally.	Understand decimal numbers and round to nearest whole number. Divide and multiply using decimal numbers; add four digit numbers using written method with	Understand place value to 4 digits / round to 10, 100, 1,000. Read, write, compare 5-digit numbers – understanding value. Read, use and compare negative numbers in	Add / subtract 2,3,4 digit numbers – different strategies. Find factors of 2-digit numbers / use factors and doubling to solve multiplication mentally.

				answers greater than 10 000.	context.	
	Week 2					
	Read, write and compare 4 digit numbers. Add 2-digit numbers mentally / subtract 2-digit and 3-digit numbers	Understand decimals to 1 place. Add two 4-digit numbers.	Subtract pairs of 3 digit numbers – expanded and compact written methods Multiply 3-digit numbers by 1-digit numbers – vertical algorithm. Solve simple money problems with decimals to 2 places	Add and subtract amounts of money. Solve subtractions using a suitable written method (column subtraction)	Multiply / divide numbers by 10 and 100 to 2 decimal places; read / write / understand decimals up to 2 places. Round decimal numbers to nearest whole number	Solve written addition of two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve written subtraction of 4 digit numbers (decomposition) + check subtraction with addition.
	Week 3					
	Multiply multiples of 10 by single-digit numbers; Multiply 2-digit numbers by 1-digit numbers (grid method); find fractions of amounts	Convert units of measurement. Read scales. Draw bar charts to record / interpret information.	Divide and multiply mentally. Find equivalent fractions and use them to simplify fractions -halves, thirds, quarters.	Understand 12 and 24 hour clocks – solving problems. Further wok on linear measurement and symmetry. Convert between different units / calculate missing amounts.	Develop / use mental multiplication strategies. Multiply 3-digit numbers by 1-digit numbers – vertical written method. Use rounding to estimate answers. Understand multiplication and division as opposite operations. Divide above tables facts using multiples of 10	Use coordinates to draw polygons. Find coordinates of shapes after translation. Draw and interpret bar charts and pictograms. Draw line graphs and interpret line graphs.
	Week 4					
	Tell and write time to the minute on analogue and digital clocks; calculate time intervals; measure in m, cm and mm; convert lengths between units recording using decimal notation.	Round 4-digit numbers to nearest: 10, 100 and 1000. Subtract 3-digit numbers using expanded written method / counting up.	Different angles, accurate drawing of lines and shapes – symmetry. Property of shapes.	Further work on place value of 4-digit numbers / addition and subtraction using different methods.	Read Roman numerals to 100. Begin to know the history of our number system including 0. Calculate area and perimeter of rectilinear shapes. Recognise, name, classify, sort 2D shapes. Revise 3D shapes / links to 2D shapes.	Multiply 3-digit numbers by 1 – digit numbers = vertical algorithm. Add fractions with like denominators, including totals greater than 1. Divide by 10 and 100 = 2 decimal places.
	Week 5					
	Add 3-digit numbers using column addition; subtract a 3-digit number from a 3-digit number using expanded column method.	Multiply 3-digit by single-digit numbers –grid method / vertical algorithm. Divide numbers (up to 2 digits) by single-digit numbers with no	Divide numbers mentally using place value understanding. Use factor pairs to solve multiplication / division. Find complements to	Multiply 3-digit numbers by 1-digit numbers - vertical algorithm. Divide 2-digit and 3-digit numbers by 1-digit numbers.	Understand, read, write, add and subtract 2-place decimals. Revise equivalent fractions + with a total of 1. Rrecognise decimal and fraction	Multiply 2-digit numbers by numbers 10 – 20 / pairs of 2 digit numbers using grid method. Use mental strategies / tables facts to divide 2 / 3 digit

		remainder, then with a remainder.	multiples of 1000. Find change from £10, £20 and £50.		equivalents.	numbers by 1-digits numbers.
Science	Science 1 Skills + check on prior learning / revise key concepts and scientific knowledge from previous year groups before new learning.	<u>Electricity</u> Identify appliances; construct series circuits; identify need for complete circuits; understand use of switches; know about insulators and conductors.	<u>Living things and their habitats.</u> Group living things in various ways; use classification keys to group / identify / name variety of living things including in local environment; recognise environmental change can pose danger to living things.	<u>States of Matter</u> Compare / group solids, liquids & gases; observe change of state with heating / cooling – measure temperatures for this; identify evaporation & condensation in water cycle + effect of temperature on rate of evaporation.	<u>Sound</u> Know sounds made by vibrations + how these travel to ear; understand how pitch and volume link to vibrations; understand link between volume and distance from sound source	<u>Animals including humans</u> Digestive system in humans; teeth in humans; food chains identifying producers, consumers, predators.
ICT	**<u>Ongoing throughout the year</u>** **<u>Select, use and combine a variety of software</u>** Throughout the year computing is taught using apps within other subjects using apps and programmes like: Book Creator Stop Motion Animation Comic Life Word PowerPoint The internet is also used to research information					
	<u>Introduction to variables</u> In this unit pupils learn how computers use variables to count things and keep track of what is going on. Pupils learn to create simple games which use a score variable.		**<u>Repetition and loops</u>** In this unit pupils learn how computers use repetition and loops to do things over and over again (and again!).		**<u>Digital Literacy:</u>** Rings of Responsibility (being respectful online) Private and Personal Information (identity theft) The Power of Words (online messaging) The Key to Keywords (accuracy of keyword searching|). Whose Is It, Anyway?	
R.E.	**<u>People</u>** = family of God in Scripture; **<u>Judaism</u>** = The Torah **<u>Building Bridges</u>** = admitting wrong and being reconciled (Sacramental Preparation); **<u>Gifts</u>** = God's gift of love and friendship in Jesus.		**<u>Community</u>** = life in the local Christian community; **<u>Giving and Receiving</u>** = Living in communion (Sacramental Preparation); **<u>Islam</u>** = Holy Books **<u>Self-discipline</u>** = celebrating growth to new life.		**<u>New Life</u>** = to hear and live the Easter message; **<u>God's People</u>** = different saints show people what God is like. **<u>Called</u>** = confirmation = a call to witness; + Journey in Love	
Art	Human figure drawing - compare with Ancient Egyptian depictions.	Landscape drawing and painting Famous European artists.	Illuminated letters – eg Lindisfarne Gospels. Depiction of monsters (through the ages?)	Paintings showing water / rivers – study different artists. Pointillism	Abstract art showing movement / destruction	Graffiti / Banksy Drawing local area / depiction of buildings / perspective

				Marbling		
D & T	Making pyramids (links to maths)	Designing and making Russian icons.		Designing and making bridges – testing strength	Designing and making musical instruments.	
Music	Charanga		Charanga		Keyboards / Charanga	
P.E.	Swimming / Games skills	Hockey	Gymnastics / Swimming / Skipping Festival		Athletics / Outdoor P.E. / Games / Orienteering	
M.F.L.	French					