Pennington CofE Primary School

Pennington C of E Primary School Long Term Plan Year Group: Year 5

Themes							
		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
English	Reading	Booth Guided Reading resources Fluency texts Class novel - Quick Questions Class reading + questions Independent reading	Booth Guided Reading resources Fluency texts Class novel - Quick Questions Class reading + questions Independent reading	Booth Guided Reading resources Fluency texts Class novel - Quick Questions Class reading + questions Independent reading	Booth Guided Reading resources Fluency texts Class novel - Quick Questions Class reading + questions Independent reading	Booth Guided Reading resources Fluency texts Class novel - Quick Questions Class reading + questions Independent reading	Booth Guided Reading resources Fluency texts Class novel - Quick Questions Class reading + questions Independent reading
	Pathways to spelling	Adding in and ed Suffix ly Contractions Words with ei sound	Singular possessive apostrophe Prefixes Homophones and near homophones	Words ending in sounds sure and ture Words ending que and gue Words spelt ch with j sound Words with s sound spelt sc	Adding ing, ed, er, est, en to words Homophones and near homophones	Suffix ation Endings-cian Words with el, le, al and il at the end	Contractions Sion ending Prefixes-auto,inter,sub,sion Homophones and near homophones
	Handwriting	Uniform and legible	Uniform and legible Lead ins/joins	Uniform and legible Lead ins/joins	Uniform and legible Lead ins/joins	Uniform and legible Lead ins/joins	Uniform and legible Lead ins/joins

	Writing	Recount: Write a diary Greater Depth-Write a diary including the viewpoint of others.	Write a traditional tale. Greater Depth-Write a traditional tale from the point of view of another character.	Write a myth with own heroes, villains and monsters. Greater Depth-Change the viewpoint from which the story is told.	Write a biography. Greater Depth- A first person recount with an experience from the person's life within the biography.	Write a persuasive piece. Greater Depth-Write an oral presentation for a TV or online broadcast.	Write an information piece of text suitable for an art gallery Greater Depth-Plan own structure and layout of an information text
	Core Text	Queen of the Falls By Chris Van Allsburg	The Lost Happy Endings By Carol Ann Duffy	Arthur and the Golden Rope By Joe Todd Stanton	The Darkest Dark By Chris Hadfield	The Paperbag Prince By Colin Thompson	Radiant Child By Javaka Steptoe
Maths	Number	**Place Value:** (Roman numerals to 1,000, Numbers to 10,000, Numbers to 100,000, Numbers to 1,000,000, Read and write numbers to 1,000,000, Powers of 10, 10/100/1,000/10,000/100,000 more or less, Partition numbers to	**Multiplication and division A:** (Multiples, Common multiples, Factors, Common factors, Prime numbers, Square numbers, Cube numbers, Multiply by 10, 100 and 1,000, Divide by 10, 100 and 1,000 and Multiples of 10, 100 and 1,000.) **Fractions A:**	**Multiplication and division B:** (Multiply up to a 4-digit number by a 1-digit number, Multiply a 2-digit number by a 2-digit number (area model), Multiply a 2-digit number by a 2-digit number, Multiply a 3-digit number by a 2-digit number,	**Decimals and percentages:** (Decimals up to 2 decimal places, Equivalent fractions and decimals (tenths), Equivalent fractions and decimals (hundredths), Equivalent fractions and decimals, Thousandths as	**Statistics:** (Draw line graphs, Read and interpret line graphs, Read and interpret tables, Two-way tables and Read and interpret timetables.)	**Decimals:** (Use known facts to add and subtract decimals within 1, Complements to 1, Add and subtract decimals across 1, Add decimals with the same number of decimal places, Subtract decimals with the same number of decimal places, Add

		1,000,000, Number line to 1,000,000, Compare and order numbers to 100,000, Compare and order numbers to 1,000,000, Round to the nearest 10, 100 or 1,000, Round within 100,000 and Round within 1,000,000.) **Addition and Subtraction:** (Mental strategies, Add whole numbers with more than four digits, Subtract whole numbers with more than four digits, Round to check answers, Inverse operations (addition and subtraction), Multi-step addition and subtraction problems, Compare	(Find fractions equivalent to a unit fraction, Find fractions equivalent to a non-unit fraction, Recognise equivalent fractions, Convert improper fractions to mixed numbers, Convert mixed numbers to improper fractions, Compare fractions less than 1, Order fractions less than 1, Compare and order fractions greater than 1, Add and subtract fractions with the same denominator, 10 Add fractions within 1, Add fractions with total greater than 1, Add to a mixed number, Add two mixed numbers, Subtract fractions, Subtract from a	Multiply a 4-digit number by a 2-digit number, Solve problems with multiplication, Short division, Divide a 4-digit number by a 1-digit number, Divide with remainders, Efficient division and Solve problems with multiplication and division.) **Fractions B:** (Multiply a unit fraction by an integer, Multiply a non-unit fraction by an integer, Multiply a mixed number by an integer, Calculate a fraction of a quantity, Fraction of an amount, Find the whole and Use fractions as operators.)	fractions, Thousandths as decimals, Thousandths on a place value chart, Order and compare decimals (same number of decimal places), Order and compare any decimals with up to 3 decimal places, Round to the nearest whole number, Round to 1 decimal place, Understand percentages, Percentages as fractions, Percentages as decimals and Equivalent fractions, decimals and percentages.)		decimals with different numbers of decimal places, Subtract decimals with different numbers of decimal places, Efficient strategies for adding and subtracting decimals,Decimal sequences, Multiply by 10, 100 and 1,000, Divide by 10, 100 and 1,000 and Multiply and divide decimals – missing values.) **Negative numbers:** (Understand negative numbers, Count through zero in 1s,Count through zero in multiples, Compare and order negative numbers and Find the difference.**)**

		calculations and Find missing numbers.)	mixed number, Subtract from a mixed number – breaking the whole and Subtract two mixed numbers.)				
	Shape, Space and Measure				**Perimeter and Area:** (Perimeter of rectangles, Perimeter of rectilinear shapes, Perimeter of polygons, Area of rectangles, Area of compound shapes and Estimate area.)	**Shape:** (Understand and use degrees, Classify angles, Estimate angles, Measure angles up to 180°, Draw lines and angles accurately, Calculate angles around a point, Calculate angles on a straight line, Lengths and angles in shapes, Regular and irregular polygons and 3-D shapes.) **Position and direction:** (Read and plot coordinates, Problem solving with coordinates, Translation, Translation with coordinates,Lines	**Converting units:** (Kilograms and kilometres, Millimetres and millilitres, Convert units of length, Convert between metric and imperial units, Convert units of time and Calculate with timetables.) **Volume:** (Cubic centimetres. Compare volume, Estimate volume and Estimate capacity.)

						of symmetry and Reflection in horizontal and vertical lines.)	
Science		Unbalanced Forces Investigating gravity, friction, air and water resistance.	Materials: Properties and Changes Exploring the properties of everyday materials and reversible and irreversible changes to them.	Materials: Mixtures and Separation Exploring different types of mixtures and the methods to separate them.	Earth and Space Exploring day and night and the movement of the Earth, planets and Moon.	Living things and reproduction Exploring the life cycles of plants and animals and the life process of reproduction.	Animals: Human Timeline Exploring how humans change from baby through to old age.
RE		Did She Make The Right Choice? Children will know: There are significant women in the Bible who made incredible choices that have an impact on God's big story. Purim is a Jewish Festival celebrating the actions of Esther and how God used her to save the Jewish nation.	Why Are Sacred Texts/Holy Books So Important to People of Faith? Children will know: There are several different genres of writing in the Bible. There are many translations of the Bible in English and other languages. The Bible is used to help answer questions about	Why do Christians Believe Jesus Was a Great Teacher? Children will know: These parables about Jesus' teaching explain Christian beliefs and actions. There are links between Jesus' teaching and the school's Christian values and British values.	Why Do Christians Believe That Easter is a Celebration of Victory? Children will know: That Christians believe that Christ's resurrection is a victory over death. That Christians believe that Easter is the key event in God's salvation plan.	Is Death an Ending or a Beginning? Children will know: Christians believe that through the death and resurrection of Jesus they have the promise of living forever with God (eternal life). Christians believe that when you die your spirit goes to be with God in heaven.	Daniel, did he make the right choice? Children will know: There are clear dietary laws set out in Judaism. There are people willing to remain faithful to God in any circumstances at any cost. Bible stories reveal the nature of God.

		Sometimes people of faith face great challenges and remain true to their faith.	creation, truth, suffering and death, values for life and ethical issues. Each world faith has a holy book that teaches, guides and impacts on the daily life of believers. Christians believe that the Bible is the inspired word of God. The Bible gives guidance for Christian living and this impacts on believers lives and communities. Christmas Children will know: Christmas is celebrated by Christians around the world. Some celebrations are connected to	Jesus' teaching makes an impact in people's lives, their values, choices and behaviour.	That Christians believe Jesus' death and resurrection restored the relationship between God and people. How did the news of Jesus resurrection spread around the world? Children will know: The Book of Acts records the actions of what happened after Pentecost. The early Christians were persecuted for over 300 years and had to show great courage and perseverance. St Paul is a significant person in the history of	Muslims believe that on the last day/the day of judgment the dead will either go to 📖 paradise or hell. Hindus and Buddhists believe there is a cycle of life and death, samsara. The spirit of a person is reincarnated and they return to earth until moksha/nirvana (enlightenment) is attained. There are similarities and differences between the funeral traditions in each world faith.	

			beliefs but others are secular. Christmas celebrations provide answers to questions about Christian beliefs about Jesus.		Christianity and why.		
	Links with other Religions	Judaism	Islam Hinduism Sikhism Judaism Buddhism	Judaism		Hinduism Islam Judaism Sikhism	Hinduism Islam Judaism Buddhism
	Christian Value	Resilience	Compassion	Honesty	Forgiveness	Patience	Thankfulness
Geography			Would you like to live in the desert? Exploring hot desert biomes and learning about the physical features of a desert and how humans interact with this environment.	What is life like in the Alps? Considering the climate of mountain ranges and why people choose to visit the Alps; focusing on Innsbruck and looking at the human and physical features that attract tourists; investigating tourism in the		Why do Oceans matter? Exploring the importance of our oceans and how they have changed over time with a focus on the Great Barrier Reef, specifically addressing climate change and pollution.	

				local area and mapping recreational land use; presenting findings to compare the Alps to the children's own locality.			
	Field Work			Local Area walk		Litter picking at Bardsea Beach	
History		What is the legacy of the ancient Greek civilisation? Investigating the city-states of Athens and Sparta to identify similarities and differences between them, learning about democracy and assessing the legacy of the ancient Greeks.		Were the Vikings raiders, traders or something else? Investigating what the Vikings were really like, creating a Viking trade route game, writing their version of a Viking saga, evaluating the impact of the Viking invaders on Britain and displaying the achievements of the Vikings in a 'Viking achievement gallery'.			What was life like in Tudor England? Discovering the Tudor dynasty; exploring the use of portraits, progresses and punishment; examining how monarchs exercised absolute power; investigating how Tudor inventories indicate the wealth and position of ordinary Tudors.

Computing		Online Safety to be taught throughout the year. Databases Children will create their own databases as well as query existing databases to find information that they are being asked for.	Games Creator Children will design and make their own 3D maze adventure game using the 2DIY3D tool, assessing the effectiveness of their own and other's creations. 3d Modelling Children will create their own 3d models of vehicles, houses and gift boxes.	Spreadsheets Through measurement conversions, graphing, weather analysis, budgeting, and planning a holiday, children learn how spreadsheets support real-world decision-making and problem-solving.	Coding Children develop their coding skills by refining code using functions and variables.	Coding with an external device Children learn how to code programs which enable the Purple Chip external device to be used as a game controller as well as exploring ways that the interaction of a host device and an external device can be used in 'real world' scenarios.	Concept Maps Using and creating concept maps using 2Connect. Creating concept maps. Presenting from a concept map. Making collaborative concept maps. Word Processing Children will create documents using images, editing and entering text and tables.
Art and Design		Painting and Mixed Media: Portraits Investigating self-portraits by a range of artists, children use photographs of themselves as a starting point for	Drawing: Depth, emotion and movement Exploring mark making for showing depth, emotion and movement.		Sculpture and 3d-Installation Art Exploring how artists use space, scale and materials to create installation art that conveys		Craft and Design-Architecture Investigating the built environment through drawing and printmaking, learning about the work of architect

		developing their own unique self-portraits in mixed-media			ideas, transforms spaces and shapes the viewers experience.		Zaha Hadid, creatively presenting research on artist Hundertwasser and exploring the symbolism of monument design.
	Artists	Cai Guo-Qiang	Zaha Hadid		Teis Albers Karen Rose		Teis Hundertwasser
Design Technology		Textiles-Stuffed Toys Design a stuffed toy and make decisions on materials, decorations and attachments after learning how to sew a blanket stitch.	Mechanical Systems-Pop up Books Design a book up book using a variety of mechanisms such as pop ups, sliders and pivot levers.	Electrical systems Applying computing skills to program a Micro:bit animal monitor and using 3D CAD tools in Tinkercad to design a case, housing or stand.	Structure-Building bridges Testing and analysing different bridges to determine their strength and stability. Exploring material properties and sources, before marking, sawing and assembling a wooden truss bridge.	Digital World-Monitoring devices Applying computing skills to program a Micro:bit animal monitor and using 3D CAD tools in Tinkercad to design a case, housing or stand.	Cooking and nutrition-What could be healthier? Children will learn a simple bolognese recipe and adapting it to improve nutritional content, this unit provides new lessons with teacher and pupil videos to develop the children's food preparation skills.
Music		Composition Notation Based on the theme of Ancient Egypt, children	Blues Children are introduced to this famous genre of music and its	South and West Africa Children learn 'Shosholoza', a traditional South	Composition Exploring the associations between music, sounds and colour;	Looping and Remixing Children learn about how dance music is created,	Musical Theatre Children learn how singing, acting, and dancing combine to create an

		learn to identify the pitch and rhythm of written notes and experiment with notating their compositions, developing their understanding of staff notation.	history, and learn to identify the key features and mood of Blues music and its importance and purpose. They also get to grips with the 12-bar Blues and the Blues scale, and combine these to create an improvised piece with a familiar, repetitive backing.	African song, play the accompanying chords using tuned percussion and learn to play the djembe. They will also learn a traditional West African drum and add some dance moves ready to perform the song in its entirety.	composing and performing their own musical composition to represent Holi, the Hindu festival of colour that celebrates the beginning of spring and the triumph over good and evil.	focusing particularly on the use of loops.	overall performance.
French/ MFL		n/a	French numbers, calendars, birthdays Children learn French numbers 1-31, the days of the week, months of the year, dates and seasons through maths and songs and class surveys; they research of dates of French festivals and revise the unit by having a traditional French birthday celebration in the classroom.	n/a	French weather .Learning phrases to describe the weather and vocabulary for the compass points; counting from 1-100 in multiples of ten; combining this knowledge to make statements about what the temperature is in different parts of France and to deliver a weather forecast.	n/a	French food French food, cafés, ordering and menus -'Yum Yum'- or 'Miam, Miam' ! This unit introduces food vocabulary and revises numbers to 100, this time in the context of money and prices. The unit encourages children to develop their language detective skills and confidence with practical conversational French

PE	Session 1 Sports Coach	Dodgeball The children will develop throwing, catching and dodging skills as well as understanding and applying rules, skills and tactics.	Football Develop attacking and defensive techniques and apply them in game bases situations. They will develop and understand the importance of fair play.	Golf Children will use different clubs to explore and develop their accuracy of hitting a target. Children will observe and recognise improvements for their own and others' skills. They will design a course of their own.	Rugby Children will develop their understanding of attacking and defending principles. They will use skills, strategies and tactics. They will develop and understand the importance of fair play.	Cricket Children will expand their knowledge of the role of bowler, batter, wicket keeper and fielder. They will use skills, strategies and tactics. They will develop and understand the importance of fair play.	Rounders Children will develop their fielding skills knowing when to use them. They will develop their knowledge of different roles in the game. They will use skills, strategies and tactics.
	Session 2	Fitness To understand how speed, strength, agility, balance, co-ordination and stamina helps in other activities.	OAA Children work individually and in collaboration to solve problems. They are given opportunities to lead groups and develop their map reading skills.	Gymnastics Children will develop balancing, rolling and inverted movements. They explore partner relationships. They will receive and give feedback.	Dance Children learn different styles of dance working individually, in pairs and small groups. They will use movement to communicate ideas, feelings and thoughts.	Volleyball Children will develop their understanding of net and wall games. They will use skills, strategies and tactics.	Tennis Children will develop their forehand, backhand, volley and underarm serve to keep a rally going. They will use skills, strategies and tactics.

PSHE		Families and relationships Developing an understanding of families, including marriage and what to do if someone feels unsafe in their family; learning that dealing issues can strengthen a friendship; exploring the impact of bullying and what influences a bully's behaviour; learning to appreciate our individual positive attributes.	Health and well-being Learning to take greater responsibility for sleep, sun safety, healthy eating and managing feelings; setting goals and embracing failure; understanding the importance of rest and relaxation.	Citizenship An introduction to the justice system; how parliament works; and the role of pressure groups; learning about rights and responsibilities, the impact of energy on the planet and contributing to the community.	Economic well being Learn to manage money, understand borrowing, be cautious online, challenge workplace stereotypes, and align interests with future careers.		Safety and the changing body Exploring the emotional and physical changes of puberty, including menstruation; learning about online safety, influence, strategies to overcome potential dangers and how to administer first aid to someone who is bleeding.
Outdoor Learning		Climate Change • Geography: Describe and understand key aspects of climate zones, biomes and vegetation belts. • Science: Recognise the impact of human activity on	Gunpowder Plot • History: Understand significant historical events, people and places in Britain's past. • History: Ask and answer questions using	New Year Traditions (Woodland) • RE: Compare and contrast celebrations and traditions from different religions and cultures. • Geography: Understand how	Holi Festival • RE: Describe the significance of key Hindu festivals and beliefs. • Geography: Understand how human and cultural geography influence	Woodland Trust and Climate Change • Science: Describe the life cycle of plants and the importance of trees in ecosystems. • Geography: Understand how human activity	Local Walk • Geography: Use fieldwork to observe, measure and record human and physical features. • Geography: Use maps, OS symbols and digital mapping

		the environment and suggest positive actions.	historical sources to explain events.	cultural practices are influenced by place and environment.	celebrations around the world.	affects natural environments and sustainability.	to locate features in the local area.
Special Events/ Visitors/Visits					UVHS transition Day	Residential	Blackpool Zoo