

Pennington Long Term Plan - Year 6

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic Title	World War 2	Animals and Classification (Living things and their habitats)	Humans (Digestive system and bodies)	Evolution and Inheritance	Light and Electricity	Mayans
Text for English Class Reader	Star of Fear, Star of Hope by Joe Hoestlandt When We Were Warriors by Emma Carroll	Can we save the tiger? By Martin Jenkins Into the Jungle by Katherine Rundell	Selfish Giant by Oscar Wilde The Happy Prince and Other Tales by Oscar Wilde	Jemmy Button by Alix Barzelay The Island by Jason Chin The Explorer by Katherine Rundell	Manfish by Jennifer Berne Great Adventurers by Alistair Humphreys	Transition Unit: Sky Chasers by Emma Carroll
ENGLISH Reading and Writing Genres Greater Depth	Outcome: <ul style="list-style-type: none"> Flashback story Information text Greater Depth: To write a narrative with a flashback	Outcome: <ul style="list-style-type: none"> Hybrid text: information and explanation Greater Depth: Write a Newsround TV style story	Outcome: <ul style="list-style-type: none"> Classic fiction Explanation Greater Depth: Write the narrative from a different viewpoint	Outcome: <ul style="list-style-type: none"> Journalistic Discussion Greater Depth: Write a magazine article/hybrid text	Outcome: <ul style="list-style-type: none"> Biography/hybrid text Greater Depth: Add in a script commentary about role in conservation debate	Outcome: <ul style="list-style-type: none"> Narrative fiction Autobiography Greater Depth: Write the narrative from a different viewpoint and include a section from an alternative viewpoint in the autobiography
Word			Recognise vocabulary for formal speech and writing			Recognise vocabulary for formal speech and writing
Sentence	Recap: use expanded noun phrases to convey complicated information concisely Use Passive verbs	Recap: Use modal verbs or adverbs to indicate degrees of possibility	Recognise structures for formal speech and writing, including subjunctive forms Use passive verbs	Use passive verbs	Recap: Use relative clauses beginning with who, which, where, when, whose, that or an omitted relative pronoun	Recognise structures for formal speech and writing, including subjunctive forms
Text	Link ideas across paragraphs using a wider range of cohesive devices Integrate dialogue to convey character and advance the action	Enhance meaning through selecting appropriate grammar and vocabulary	Distinguish between the language of speech and writing Integrate dialogue to convey character and advance the action	Use a wider range of devices to build cohesion Use organisational and presentational devices to structure text Recap: Variety of verb forms used correctly and consistently (progressive present perfect forms)	Use a wider range of devices to build cohesion	Identify the audience and purpose for writing Choose the appropriate register
Punctuation	Punctuate bullet points consistently Additional writing: Use a colon to introduce a list	Recap: Use brackets, dashes or commas to indicate parenthesis	Use semi-colons to mark boundaries between independent clauses Additional writing: Punctuate bullet points consistently	Use colons or dashes to mark boundaries between independent clauses	Use a colon to introduce a list and use of semi-colons within lists Use hyphens to avoid ambiguity	Use semi-colons, colons or dashes to mark boundaries between independent clauses

MATHS- CLIC/SAFE

Progress Drive	Steps
Saying Numbers	✓
Reading Numbers	✓
Place Value	✓
Mastery of Numbers	30
Counting Skills	✓
Actual Counting	✓
Counting On	✓
Counting Multiples	✓
Counting Along in 4 Ways	✓
Counting Along Scales	7

Progress Drive	Steps
Learn Its	✓

Progress Drive	Steps
Swapping the Units	✓
INN: Addition and Subtraction	✓
Doubling & Halving	✓
INN: Number Bonds to 10	✓
x10 & ÷10	✓
INN: Multiplication	✓
Coin Multiplication	✓
Finding Multiples	✓
Multiple-Factor-Prime	✓
INN: Fact Families	✓

Progress Drive	Steps
Addition	39, 40, 41
Subtraction	37
Multiplication	17, 18
Division	32, 33

Progress Drive	Steps
Addition	11 - 14
Subtraction	9 - 12
Multiplication	7 - 11
Division	8, 9, 10

Progress Drive	Steps
Explore & Draw	25, 26, 27
2D Shapes	26
3D Shapes	24
Position & Direction	29

Progress Drive	Steps
Amounts of Distance	29 - 33
Amounts of Mass	19
Amounts of Money	17
Amounts of Space	27
Amounts of Temperature	14
Amounts of Time	31
Amounts of Time: Telling the Time	✓
Amounts of Turn	31, 32, 33

Progress Drive	Steps
Fractions of a Whole	17
Fractions of a Set	14
Fractions: Counting	✓
Fractions: Learn Its	✓
Fractions: It's Nothing New	✓
Fractions: Calculation	18, 19, 20
Percentages	4, 5, 6
Ratio	9, 10, 11

Progress Drive	Steps
Diagrams & Tables	25
Bar Charts	11
Averages	1 - 7
Line Graphs	2, 8
Pie Charts	1 - 5
Probability	7

Progress Drive	Steps
Pattern Spotting	17
Algebra	15, 16
Prove It!	5

CLIC
All the Basic Skills steps should now be complete

Progress Drive	Steps
Explore & Draw	28
2D Shapes	27
3D Shapes	25, 26, 27
Position & Direction	30 - 36

Progress Drive	Steps
Amounts of Distance	34, 35
Amounts of Mass	20
Amounts of Money	18, 19
Amounts of Space	29 - 31
Amounts of Temperature	15, 16
Amounts of Time	32
Amounts of Time: Telling the Time	✓
Amounts of Turn	34, 35

Progress Drive	Steps
Fractions of a Whole	18, 19
Fractions of a Set	✓
Fractions: Counting	✓
Fractions: Learn Its	✓
Fractions: It's Nothing New	✓
Fractions: Calculation	21 - 25
Percentages	7 - 13
Ratio	12, 13

Progress Drive	Steps
Diagrams & Tables	25
Bar Charts	12
Averages	8 - 12
Line Graphs	8
Pie Charts	6 - 11
Probability	8 - 15

Progress Drive	Steps
Pattern Spotting	18 - 20
Algebra	17 - 22
Prove It!	6

Big Maths Scheme finishes for Year 6

Continued CLIC and SAFE style questions in starters

Maths – Main lessons

- Number and Place Value:**
- Numbers to 10,00, 100,000, 1,000,000 and 10,000,000
 - Compare and order
 - Round numbers to 10,100 and 100
 - Round any number
- Four operations:**
- Add and subtract whole numbers with more than 4 digits
 - Inverse operations
 - Multiplication (up to 4 digits by 2 digits)
 - Division + Long Division
 - Factors, common factors and common multiples
 - Prime numbers to 100
 - Squared and cubed numbers
 - BODMAS (order of operations)

- Fractions:**
- Equivalent fractions
 - Simplify fractions
 - Improper to mixed number and mixed number to improper
 - Fractions on a number line
 - Compare and order (by numerator and denominator)
 - Add and subtract
 - Add and subtract mixed numbers
 - Multiply and divide fractions by integers
 - Multiply fractions by fractions
 - Fraction of an amount + find the whole
- Coordinates:**
- The first quadrant, four quadrants, translations and reflections

- Fractions, Decimals and Percentages:**
- Decimals (up to 2d.p)
 - Understand thousandths
 - Three decimal places
 - Multiply and divide by 10, 100 and 1,000
 - Multiply and divide decimals by integers
 - Decimals as fractions
 - Fraction to decimals
 - Understanding percentages
 - Fractions to percentages
 - Equivalent fractions, decimals and percentages

- Shape, Space and Measure:**
- Metric measures
 - Converting metric measures
 - Calculating with metric measures
 - Miles and kilometres
 - Imperial Measures
 - Area and perimeter
 - Area of a triangle
 - Area of a parallelogram
 - Volume (counting cubes)
 - Volume of a cuboid
- Ratio:**
- Ratio language
 - Ration and fractions
 - Ratio symbol
 - Calculating ratio
 - Using scale factors
 - Calculating scale factors
 - Ration and proportion problems

- Statistics:**
- Read and interpret line graphs
 - Draw line graphs
 - Using line graphs to solve problems
 - Circles
 - Read and interpret pie charts
 - Pie charts with percentages
 - Draw pie charts
 - The mean, the median, the mode and the range
- Angles:**
- Measure with a protractor
 - Draw lines and angles
 - Introduce angles
 - Angles on a straight line
 - Angles around a point
 - Calculating angles
 - Vertically opposite angles

Investigative maths work

			<ul style="list-style-type: none"> - Order fractions, decimals and percentages - Percentage of an amount + missing values <p>Algebra:</p> <ul style="list-style-type: none"> - Find a rule (one step and two step) - Forming expressions - Substitution - Formulae - Forming equations - Solving equations (one step and two step) - Find pairs of values 		<ul style="list-style-type: none"> - Angles in a triangle - Angles in quadrilaterals - Angles in regular polygons - Draw shapes accurately - Draw nets of 3-D shapes <p>Revision</p>	
SCIENCE		<p>Living things and their habitats</p> <ul style="list-style-type: none"> - describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals - give reasons for classifying plants and animals based on specific characteristics. 	<p>Animals, including humans</p> <ul style="list-style-type: none"> - identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood - recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function - describe the ways in which nutrients and water are transported within animals, including humans. 	<p>Evolution and Inheritance</p> <ul style="list-style-type: none"> - recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago - recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents - identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution <p>Pellet Dissection Making Fossils</p>	<p>Light</p> <ul style="list-style-type: none"> - recognise that light appears to travel in straight lines - use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye - explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes - use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. <p>Electricity</p> <ul style="list-style-type: none"> - associate the brightness of a lamp or the volume 	

					<p>of a buzzer with the number and voltage of cells used in the circuit</p> <ul style="list-style-type: none"> - compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches <p>use recognised symbols when representing a simple circuit in a diagram.</p>	
RELIGIOUS EDUCATION	<p>Islam</p> <p>Visit a mosque, or use pictures, video or IT of a mosque to discover its importance to Muslims. Study key features of a mosque. Consider why mosques don't have seats or pews. Consider how different designs express a way of life, values and beliefs then design a new one.</p> <p>Reflect on the importance of doing things together and sharing rituals. Participate in a Community of Enquiry focusing on whether worship is important in our lives.</p> <p>Explain the importance for Muslims of the 5 Pillars. Consider what gives a foundation to our lives. Talk about the people that guide our behaviour. Watch a video about Wudu and Salah. Write the key message of the video in 30 words. Discuss the meanings of the actions and what is important in daily prayer. Discuss 'our Makkah'-where we have promised ourselves we will go to one day. Participate in a Community of Enquiry</p>	<p>Christmas</p> <p>The Gospel Accounts (Messages and Messengers) - Explore the similarities and differences in the two accounts of Jesus' birth (in Matthew and Luke). Discover what messages about Jesus the two authors wanted to convey. Explore how Christians celebrate Christmas today. (CD unit How do Christians perceive the birth of Jesus?)</p>	<p>Beliefs about God</p> <p>Explore stories, pictures, symbols and metaphors which depict God as Father, Creator, Saviour, Judge, Shepherd, King and friend. Reflect on these stories and metaphors in relation to our own ideas about God and ourselves. Share the understanding of the word 'God' which people might have.</p> <p>Discover how the concept of the Trinity is central in an understanding of God for Christians. Discuss what and who we are thankful for and how we show gratitude. Identify beliefs about God e.g. in Genesis, Psalms, Job, hymns and prayers. (CD unit What are some of the different ways religion and science look at the world of God's creation?) (UC Creation/Fall whole unit – Creation and science: conflicting or complementary?) (UC God unit digging deeper – What does it mean if God is holy and loving?)</p>	<p>Easter</p> <p>Good Friday Resurrection - Explore the events of Good Friday - the stations of the cross. (Matthew 21: 1-11) Discuss what they know of the crucifixion. Discuss their own experience of forgiveness, self-sacrifice and reconciliation. Explore accounts of Jesus' resurrection. Who was Jesus? The disciples' role in the Easter story. Discuss the victory of good versus evil. Link to key Christian beliefs about sacrifice, atonement, resurrection and hope. Explore how Christians celebrate Easter in ritual and symbol. (CD unit How is the resurrection portrayed as central to Christian belief?) (UC Salvation unit 2B.7 – What different does the resurrection make to Christians?)</p>	<p>Commitment</p> <p>Read stories with themes of love, fairness, courage, honesty and loyalty from different religions. Investigate the values explored by the stories.</p> <p>Identify the key Christian values adopted by the school and any others they may consider important. Suggest why they might be important to ourselves and/or others.</p> <p>Think about what Christian teachings might mean in today's world, try writing a sermon. (CD unit How do Christians demonstrate justice in their lives?) (UC People of God unit digging deeper – How can following God bring freedom and Justice?) (UC Gospel unit digging deeper – What would Jesus do?)</p> <p>Invite a visitor from a charitable organisation to discuss their work and motivation. Reflect on times we have given to charity, sacrificed something or done something demanding for others.</p>	<p>Worship/Holy Books</p> <p>Reflect on the meaning of the main concepts in the Lord's Prayer e.g. kingdom of God, heaven, providence, sin forgiveness, evil and temptation. Reflect on the question 'Who am I?' and on being special, awareness of not being perfect, destiny, purpose in life etc.</p> <p>Explore some Christian prayers. Talk about the feelings and beliefs they express. Write a book of special wishes and create class prayer books to use at prayer time.</p> <p>Interview a range of people to see whether they find prayer helpful and if they do, ask why.</p> <p>Visit a place of worship (other than those visited in Y3 / 4). Share experiences of periods of stillness, quiet reflection, awe and wonder in a place of worship.</p> <p>Research the roles of church leaders. Discuss people we respect, follow, or believe and identify why they should be help up as examples.</p> <p>Find out how two different Christian groups worship (e.g. celebrate Holy Communion) and</p>

	<p>focusing on the phrase 'actions speak louder than words'.</p> <p>Draw meaning from the greeting 'As-salamu alaikum'(Peace be with you). Participate in a Community of Enquiry focusing on why we should treat others with respect.</p> <p>Write a magazine article or design a poster or web page about 'What it means to be a Muslim'. Reflect on the difficulties of putting principles into practice. (CD unit What does it mean to be a Muslim in British society today?)</p>				(CD unit What do different faiths teach about care and respect for others?)	<p>why they do it. Suggest what believers might experience and feel when they partake of the Eucharist.</p> <p>Prepare questions then interview a member of a worshipping community about their faith and what being a Christian means to them. Discuss the advantages and disadvantages of belonging to a group. Explore ways various Christian groups express values e.g. Salvation Army, Quaker, Methodist, RC</p> <p>Explore the life and practice of Christian communities in other countries. (UC Kingdom of God unit digging deeper – What kind of king is Jesus?)</p>
CHRISTIAN VALUES	Forgiveness	Friendship	Thankfulness	Honesty	Hope	Koinonia
PSHE/RSE	<p>Introductory lesson (1 lesson)</p> <p>Family and Relationships (6 lessons)</p> <p>7 lessons total</p>	<p>Health and Wellbeing (8 lessons)</p> <p>8 lessons total</p>	<p>Citizenship (6 lessons)</p> <p>6 lessons total</p>	<p>Economic Wellbeing (5 lessons)</p> <p>5 lessons total</p>	<p>Identity (3 lessons)</p> <p>3 lessons total</p>	<p>Safety and the changing body (8 lessons)</p> <p>Transition (1 lesson)</p> <p>9 lessons total (some covered in science).</p>
ART AND DESIGN	Kapow – Art and design skills (8 lessons)	Kapow – Make my voice heard (5 lessons)	Kapow – Photography (5 lessons)	Kapow – Still life (5 lessons)		
COMPUTING – Purple Mash	<p>Unit 6.1: Coding</p> <p>Unit 6.2: Online Safety</p>	Unit 6.3: Spreadsheets	<p>Unit 6.4 Blogging</p> <p>Unit 6.5 : Text adventures</p>	Unit 6.6: Networks	Unit 6.7: Quizzing	<p>Unit 6.8: Understanding Binary</p> <p>Unit 6.9: Spreadsheets</p>
DESIGN AND TECHNOLOGY	Kapow – Textiles: Waistcoats (4 lessons)	Kapow – Structure: Playgrounds (4 lessons)	Kapow – Food: Come dine with me (4 lessons)	Kapow - Mechanical systems: Automata toys (4 lessons)	Kapow – Electrical Systems: Steady Hand Game (4 lessons)	Kapow – Digital World: Navigating the world (5 lessons)
GEOGRAPHY	<p>Use maps to focus on Europe (including the position of Russia)</p> <p>Key physical and human characteristics</p> <p>Countries</p> <p>Major cities</p>	<p>Position of famous fossils found around Earth</p> <p>https://www.hamilton-trust.org.uk/topics/upper-key-stage-2-topics/earth-matters/climate-zones-and-biomes/</p> <p>Specific environments around the world that animals have adapted to</p>				<p>Understand geographical similarities and differences through the human and physical geography of a region of the UK, a region in a European country and a region within North or South America</p> <p>Climate Zones</p> <p>Biomes</p> <p>Vegetation belts</p>

						Human Geography – land use, trade links, distribution of energy, food, minerals and water
HISTORY	A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066 - WW2	Carl Linnaeus		Mary Anning Charles Darwin Alfred Wallace		A non-European society that provides contrasts with British history – one study Mayan civilization c. AD 900
LANGUAGES	La Jolie Ronde Year 6 Lesson 1 – En classe Lesson 2 – En classe Lesson 3 – School Uniform	La Jolie Ronde Year 6 Lesson 4 – Family Descriptions Lesson 5 – Occupations and Gender Lesson 6 – Christmas	La Jolie Ronde Year 6 Lesson 7 – Christmas Lesson 8 – House and Home Lesson 9 – House and Home	La Jolie Ronde Year 6 Lesson 10 – House and Home Lesson 11 – House and Home	La Jolie Ronde Year 6 Lesson 12 – House and Home Lesson 13 – House and Home	La Jolie Ronde Year 6 Lesson 14 – Planning a holiday to a French speaking country Lesson 15 - Planning a holiday to a French speaking country
MUSIC	Charanga Happy	Charanga Classroom Jazz 2	Charanga A New Year Carol	Charanga Role of Women in Music	Charanga You've Got a Friend	Charanga Reflect, Rewind and Replay
PHYSICAL EDUCATION	Rugby Dance	Gym – Body Golf	Football Netball	Gym – Group work Tennis	Cricket Athletics	Sports Day Preparation Rounders
Family Days						
VISITS/VISITORS	Mosque				Residential - York	
National / International Events		Halloween Guy Fawkes Night Remembrance Day Armistice day Children in Need St Andrew's Day (Scotland)	Chinese New Year Burn's Night	St David's Day (Wales) Commonwealth Day St Patrick's Day (Ireland) April Fool's Day	St George's Day (England) Ascension Day Pentecost	Father's Day Wimbledon

Local Events	Ulverston Lantern Festival, Apple Day at Ford Park, Ulverston Canal/ Anchor Festival	Dickensian Festival	Pantomime at the Coronation Hall.	South Cumbria Music Festival, Easter Egg Canal Trail, Pasche eggs rolling on Hoad Hill, St Georges Pageant, Ulverston Walkfest, Flag Fortnight	Ulverston Taste Cumbria Food Festival, Printfest	International Music Festival at the Coronation Hall, Another Fine Fest (music comedy and street theatre) Ulverston Open Gardens (Ulverston in Bloom) North Lonsdale Show
Church/ Religious Events	Harvest	Advent Christmas (Nativity and Christingle)	St Valentine's Day	Shrove Tuesday Ash Wednesday (Easter Service) Mother's Day		Summer International Buddhist Festival at Coneheads Priory