Aintree Davenhill Medium Term Planning



/ear Group: 5 Term: Summer		
Maths	Science	English
Number and Place Value (Mental Maths) Read and write any integer and use decimal notation for tenths, hundredths and thousandths and know what each digit	Living things and their habitats Programme of Study	Reading Word Reading
represents	Study the life cycle of various mammals	Use knowledge of root words to understand meanings of words
 Count forwards and backwards in steps of 0.01, 0.1, 1, 10, 100, and 1000 from any positive integer or decimal 	Study the life cycle of amphibians	Apply knowledge of prefixes to understand meaning of new words
Count forwards and backwards in equal steps and describe any patterns in the sequence	Study the life cycle of insects	 Use suffixes to understand meanings e.gant, -ance, -ancy,
 Order and compare whole numbers up to 1 000 000, negative numbers and decimals with up to two decimal places Know by heart facts for all multiplication tables up to 12 x 12 	Study the life cycle of birds	-ent, -ence, -ency, -ible, -able, -ibly, -ably
Complete and interpret information in a variety of sorting diagrams (including those used to sort properties of numbers)	Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird Describe the life process of reproduction in some plants and animals	Read and understand meaning of words on Y5/6 word list – see bottom Use punctuation to determine intonation and expression when reading aloud to a range of audiences
Recall and use addition and subtraction facts for 1 and 10 (with decimal numbers to one decimal place)	Working Scientifically	Reading Comprehension
 Derive and use addition and subtraction facts for 1 (with decimal numbers to two decimal places) 	Observe and compare the life cycles of plants and animals in their local environment with other plants and animals around	Maintain positive attitudes to reading and understanding what they read by:
 Derive related facts from those already known (e.g. 4 x 0.8 linked to 4 x 8 or3 + 7 = 10 linked to 0.3 + 0.7 = 1) Use partitioning to double or halve any number, including decimals to two decimal places 	the world (in the rainforest, in the oceans and in desert areas	Listening to and discussing a range of fiction/poetry/non-fiction which they might not choose to read themselves
 Use partitioning to double or naive any number, including decimals to two decimal places Multiply and divide whole numbers and decimals with up to two decimal places mentally by 10 or 100, and integers by 	Ask pertinent questions	Regularly listening to whole novels read aloud by the teacher from an increasing range of authors
1000 and use this to convert between units of measurement, e.g. cm to m, g to kg, etc.	Suggest reasons for similarities & differences Observe changes in an animal over a period of time (tadpoles)	Exploring themes within and across texts e.g. loss, heroism, friendship
 Round whole numbers to the nearest 10, 100, 1000 or a number with up to two decimal places to the nearest integer or number of decimal places 	Observe changes in an animal over a period of time (tadpoles) Comparing how different animals reproduce and grow	Making comparisons within a text e.g. characters' viewpoints of same events Analysing the conventions of different types of writing e.g. use of first person in autobiographies and diaries
 Count in fraction steps and convert equivalent fractions (e.g. count in steps of \(\frac{1}{12}\)converting to \(\frac{1}{12}\), \(\frac{1}{4}\), \(\frac{1}{2}\), \(\frac{1}{4}\), \(\frac{1}{2}\), \(\frac{1}{2}\)\) 		Recommending books to their peers with reasons for choices Reading books and texts that are structured in different ways for a range of purposes
Place Value		Expressing preferences about a wider range of books including modern fiction/traditional stories/myths/legends
Identify, represent and estimate numbers using the number line		Learning a wider range of poems by heart
Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit		 Preparing poems and playscripts to read aloud and perform, showing understanding through intonation, tone,
 Identify the value of each digit to three decimal places Read, write, order and compare numbers with up to three decimal places 		volume and action so the meaning is clear to an audience
Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000		Understand what they read by: • Checking that the book makes sense to them and demonstrating understanding e.g. through discussion, use of
Count forwards and backwards in decimal steps		reading journals
Describe and extend number sequences including those with multiplication and division steps and those where the step		Exploring meaning of words in context
size is a decimal Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000		Demonstrating active reading strategies e.g. generating questions to refine thinking, noting thoughts in a reading
Round decimals with two decimal places to the nearest whole number and to one decimal place		journal Inferring characters' feelings, thoughts and motives from their actions and justifying inferences with evidence
Solve number problems and practical problems that involve all of the above		Interring characters feelings, thoughts and motives from their actions and justifying inferences with evidence Predicting what might happen from information stated and implied
• Find 0.01, 0.1, 1, 10, 100, 1000 and other powers of 10 more or less than a given number than a given number		Re-read and reads ahead to locate clues to support understanding
Fractions		Scanning for key words and text marking to locate key information
Recognise mixed numbers and improper fractions and convert from one form to another		Summarising main ideas drawn from more than one paragraph and identifying key details which support this
Compare and order fractions whose denominators are all multiples of the same number (including on a number line)		Identifying how language, structure and presentation contribute to meaning e.g. formal letter, informal diary, persuasive speech
 Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths Add and subtract fractions with the same denominator and denominators that are multiples of the same number (using 		Discuss and evaluate how authors use language including figurative language, considering the impact on the reader
diagrams)		Exploring, recognising and using the terms metaphor, simile, imagery
Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams		Explaining the effect on the reader of the authors' choice of language
Measurement (Time)		Distinguish between statements of fact or opinion within a text Participate in discussions about books that are read to them and those they can read for themselves, building on their
Continue to read, write and convert time between analogue and digital 12 and 24-hour clocks		own and others' ideas and challenging views courteously
Complete, read and interpret information in tables, including timetables		Explain and discuss their understanding of what they have read, including through formal presentations and debates,
Solve problems involving converting between units of time		maintaining a focus on the topic and using notes where necessary by: • Preparing formal presentations individually or in groups
Data Handling (Measurement)		Preparing formal presentations individually or in groups Using notes to support presentation of information
Understand and use approximate equivalences between metric and common imperial units such as pints		Responding to questions generated by a presentation
Solve comparison, sum and difference problems using information presented in all types of graph including a line graph		Participating in debates on an issue related to reading (fiction or non-fiction)
Distinguish between regular and irregular polygons based on reasoning about equal sides and angles Use the properties of rectangles to deduce related facts and missing lengths and angles		Provide reasoned justifications for their views by:
Identify 3-D shapes, including cubes and other cuboids, from 2-D representations		Justifying opinions and elaborating by referring to the text (Point + Evidence + Explanation)
Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes		Writing
Distinguish between regular and irregular polygons based on reasoning about equal sides and angles		Vocabulary, Spelling and Punctuation
Describe positions on the first quadrant of a coordinate grid Plot specified points and complete shapes		 Create complex sentences by using relative clauses with pronouns who, which, where, whose, when, that, e.g. Sam, who had remembered his wellies, was first to jump in the river The robberies, which had taken place over the past
Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate		month, remained unsolved
language, and know that the shape has not changed		Create and punctuate complex sentences using ed openers
 Add and subtract whole numbers with more than 4 digits and decimals with two decimal places, including using formal written methods (columnar addition and subtraction) 		Create and punctuate complex sentences using ing openers
Add and subtract numbers mentally with increasingly large numbers and decimals to two decimal places		Create and punctuate complex sentences using simile starters Demarcate complex sentences using commas and explore ambiguity of meaning
Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate		Explore, collect and use modal verbs to indicate degrees of possibility, e.g. might, could, shall, will, must
mentally, use a jotting, written method)		 Use devices to build cohesion within a paragraph, e.g. firstly, then, presently, subsequently
Select a mental strategy appropriate for the numbers involved in the calculation Use estimation and inverse to check answers to calculations and determine, in the context of a problem, an appropriate		Link ideas across paragraphs using adverbials for time, place and numbers, e.g. later, nearby, secondly
degree of accuracy		Identify and use brackets and dashes Use suffixes -ate, -ise, -ify to convert nouns and adjectives into verbs
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why		Investigate verb prefixes e.g. dis-, re-, pre-, mis-, over-
 Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context 		
Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000		Composition
Recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³)		Plan their writing by: Identifying the audience and purpose
Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mortelly, use a little a mortelly use a little and the discontinuous control of the control o		Selecting the appropriate language and structures
mentally, use a jotting, written method) Select a mental strategy appropriate for the numbers involved in the calculation		Using similar writing models
Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple		Noting and developing ideas
rates		Drawing on reading and research Thinking how authors develop characters and settings (in books, films and performances)
	1	- minking now authors develop that acters and settings (III DOOKS, MINIS and performances)

		Draft and write by: • Selecting appropriate grammar and vocabulary • Blending action, dialogue and description within and across paragraphs • Using devices to build cohesion (see VGP column) • Using organisation and presentational devices e.g., headings, subheadings, bullet points, diagrams, text boxes EValuate and edit by: • Assessing the effectiveness of own and others' writing in relation to audience and purpose • Suggesting changes to grammar, vocabulary and punctuation to enhance effects and darify meaning • Ensuring consistent and correct use of tense throughout a piece of writing • Ensuring consistent subject and verb agreement • Proofreading for spelling and punctuation errors • Perform own compositions for different audiences: Using appropriate intonation and volume • Adding movement • Ensuring meaning is clear Spelling • Spell words that they have not yet been taught by using what they have learnt about how spelling works in English Use further prefixes and suffixes and understand the guidelines for adding them • Spell some words with 'silent' letters, e.g. knight, psalm, solerm • Continue to distinguish between homophones and other words which are often confused Use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically Use dictionaries to check the spelling and meaning of words Use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary Use a thesaurus Use a thesaurus Use suffixes -ate, -ise, -ify to convert nouns and adjectives into verbs Investigate verb prefixes e.g. dis-, re-, pre-, mis-, over- Handwriting Write fluently • Choose when it is appropriate to print or join writing, e.g. printing for labelling a scientific diagram
History	Geography Brazil	Computing Binary Messages (IT)
	Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorm, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night) Place Knowledge A region of the United Kingdom A region within South America Human and Physical Geography Describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains human geography, including: climate zones, biomes and vegetation belts, rivers, mountains human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water Mapping Use a wide range of maps, atlases, globes and digital maps to locate countries and features studied Relate different maps to each other and to aerial photos Begin to understand the differences between maps e.g. Google maps vs. Google Earth, and OS maps Choose the most appropriate map/globe for a specific purpose Follow routes on maps describing what can be seen (River Amazon) Interpret and use thematic maps Understand that purpose, scale, symbols and style are related Recognise different map projections Identify, describe and interpret relief features on OS maps Use latitude/longitude in a globe or atlas Create sketch maps using symbols and a key Use a wider range of OS symbols including ±50K symbols Know that different scale OS maps use some different symbols Use models and maps to discuss land shape i.e. contours and slopes Use the scale bar on maps Read and compare map scales Draw measured plans Enquiry and Investigation Ask and answer questions that are more causal e.g. Why is that happening in that place? Could it happen here? What happened in the past to cause that? How is it likely change in the future?	(CS) To convert binary into decimal. (IT) To independently add various forms of digital media to a document. (CS) To convert a binary message into text. (CS) To convert a binary message into text (CS) To convert a binary sessage into binary code. (IT/CS) To corvert a text message into binary code. (IT/CS) To create a script that explains binary and acts as a tutorial for others. (IT) To create a screen recording guide using Seesaw or an alternative application. (IT) To generate a QR code that links to a digital piece of work. (IT) To plan and layout a poster, including text, images and a QR code. (IT/CL) To source copyright-free images to use in a digital document. (IT) To create and save a QR code that links to a digital video. (IT) To create rows and columns in a spreadsheet with title text (IT) To enter data into a spreadsheet (IT) To perform basic calculations using formulas. (IT) To create and interpret graphs based on data.
D.T	Art	Music

Cooking and nutrition		Looping and Remixing
		Body percussions loops
Describe the process of beef production.		To be able to play a simple looped rhythm from notation
To understand how ingredients are reared and processed.		To hold own part To play accurately and in time
To discissand now ingredients are reared and processed.		To help to layer a looped rhythm
Research a traditional recipe and make changes to it.		
		Mixing loops
To make adaptations to design a recipe.		To explore how sound can be layered using loops
Add nutritional value to a recipe by selecting ingredients.		To create loops of music To build layers of sound that work well together
		To build layers of south that work well together
To evaluate nutritional content.		Learning the original
		To be able to play a melody line accurately and fluently
To practise food preparation skills		To describe the similarities and differences between an original song and its remix
To design a food label		To accurately play the melody line of a piece of music To play a melody confidently and fluently
To design a rood label		To play a melody community and indentity
Prepare and cook a version of bolognese sauce.		Looping fragments
		To select a section of a tune and perform it as a loop
To follow an adapted recipe		To choose a fragment of the tune to turn into a loop
		To accurately play a section of the tune as a loop
		To play in time to the backbeat
		Remix
		To combine loops to create a remix
		To create a suitable structure for my piece of music
		To perform own piece accurately
		To play own piece in time
		Spanish
		Spanish
P.E	P.S.H.E	R.E
F.L	F.J.H.L	N.L
Cricket	Relationships	U2.4 If God is everywhere, why go to a place of worship?
To work with a partner to score runs.	To identify the qualities of a good friend	02.411 God is everywhere, why go to a place of worship:
To throw accurately over short distances to get batters out.	To understand online pressure	This investigation enables pupils to learn in depth from Christianity, considering in a detailed way some teachings of
To follow the path of the ball to catch as a wicketkeeper.	To explain how to use games and apps safely	Jesus and the ways they are applied today. Pupils will consider examples of what Jesus said, and how Christians today
To overarm bowl with accuracy whilst using a run-up.	To understand peer pressure and saying no online	respond to the challenges of his teachings. It enables a clear sequence of learning and the development of a rich
To play a forward defensive shot.	To understand healthy friendships	knowledge of Christian worldviews. Pupils use some if the main disciplines with which religion and worldviews are
To set a field in a game to limit the runs scored by a batter.	To understand how to identify good friendships	studied: they think about making sense of texts and about questions of meaning, values and truth.
Community 2		Post to will be
Gymnastics 2		Pupils will:
The key steps to perform a roundoff.		Make connections between some of Jesus' teachings and the way Christians live today (A1). Discuss their own ideas about the importance of values to live by comparing them to Christian ideas (C3).
The key steps to perform a roundoff. To create and perform a partner sequence using symmetry.		Discuss their own ideas about the importance of values to live by, comparing them to Christian ideas (C3).
The key steps to perform a roundoff. To create and perform a partner sequence using symmetry. To create and perform a partner sequence using asymmetry.		Discuss their own ideas about the importance of values to live by, comparing them to Christian ideas (C3). Outline three or more examples of Jesus' teaching on how his followers should live (A2).
The key steps to perform a roundoff. To create and perform a partner sequence using symmetry. To create and perform a partner sequence using asymmetry. To perform a counter-balance with a partner.		Discuss their own ideas about the importance of values to live by, comparing them to Christian ideas (C3).
The key steps to perform a roundoff. To create and perform a partner sequence using symmetry. To create and perform a partner sequence using asymmetry.		Discuss their own ideas about the importance of values to live by, comparing them to Christian ideas (C3). Outline three or more examples of Jesus' teaching on how his followers should live (A2). Offer interpretations of two of Jesus' parables and say what they might teach Christians about how to live (B3).
The key steps to perform a roundoff. To create and perform a partner sequence using symmetry. To create and perform a partner sequence using asymmetry. To perform a counter-balance with a partner. To perform smooth transitions between counterbalances using different levels.		Discuss their own ideas about the importance of values to live by, comparing them to Christian ideas (C3). Utiline three or more examples of Jesus' teaching on how his followers should live (A2). Offer interpretations of two of Jesus' parables and say what they might teach Christians about how to live (B3). Explain the impact Jesus' example and teachings might have on Christians today (B1). Express their own understanding of what Jesus would do in relation to a moral dilemma from the world today (C3). Explain the links between Jesus' death on the cross and Christian belief in love and forgiveness, giving reasons why
The key steps to perform a roundoff. To create and perform a partner sequence using symmetry. To create and perform a partner sequence using asymmetry. To perform a counter-balance with a partner. To perform smooth transitions between counterbalances using different levels.		Discuss their own ideas about the importance of values to live by, comparing them to Christian ideas (C3). Utiline three or more examples of Jesus' teaching on how his followers should live (A2). Offer interpretations of two of Jesus's parables and say what they might teach Christians about how to live (B3). Explain the impact Jesus' example and teachings might have on Christians today (B1). Express their own understanding of what Jesus would do in relation to a moral dilemma from the world today (C3). Explain the links between Jesus' death on the cross and Christian belief in love and forgiveness, giving reasons why Christians want to follow Jesus (A2).
The key steps to perform a roundoff. To create and perform a partner sequence using symmetry. To create and perform a partner sequence using asymmetry. To perform a counter-balance with a partner. To perform smooth transitions between counterbalances using different levels.		Discuss their own ideas about the importance of values to live by, comparing them to Christian ideas (C3). Utiline three or more examples of Jesus' teaching on how his followers should live (A2). Offer interpretations of two of Jesus' parables and say what they might teach Christians about how to live (B3). Explain the impact Jesus' example and teachings might have on Christians today (B1). Express their own understanding of what Jesus would do in relation to a moral dilemma from the world today (C3). Explain the links between Jesus' death on the cross and Christian belief in love and forgiveness, giving reasons why