Long Term Overview for Maths

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year R	Getting to know you (Baseline) Match, sort and compare Talk about measure and patterns	It's Me 1, 2, 3 Circles and triangles 1,2,3,4,5 Shape with 4 sides	Alive in Five! Mass and capacity Growing 6, 7 and 8	Length, height and time Building 9 and 10 Explore 3-d shapes	To 20 and beyond How many now? Manipulate compose and decompose	Sharing and grouping Visualise, build and map Make connections Consolidation
Year 1	Place value (within 10) Addition & subtraction (within 10) **Number bonds to 10* *Counting in 2s*	Addition and subtraction (within 10) Shape Consolidation **Number bonds to 20* *Counting in 2s & 10s*	Place value (within 20) Addition & subtraction (within 20) **Fact families* *Counting in 2s, 10s and 5s*	Place Value (within 50) Length & height Mass and volume **Missing number problems*	Multiplication & Division Fractions Position and direction **Recapping number bonds to 20* *Counting in 2s & 10s*	Place value (within 100) Money Time Consolidation **Recapping number bonds to 20* *Counting in 2s & 10s*
Year 2	Place value Addition and subtraction ** Count in steps of 10 up to 100 forward and backwards*	Addition and subtraction Shape **Number bonds to 20*	Money Multiplication and Division **Recall and use addition and subtraction facts to 20*	Length and height Mass, capacity and temperature **Count in steps of 2,3, and 5 from 0*	Fractions Time **Multiply and divide by 10*	Statistics Position and direction ** Multiply and divide by 5*
Year 3	Place Value Addition and Subtraction ** 2, 5, 10's*	Addition and Subtraction Multiplication and Division **3's*	Multiplication and Division Length and Perimeter ** 4's*	Fractions A Mass and Capacity **6's*	Fractions B Money Time **8's*	Time Shape Statistics **2, 3, 4, 5, 8, 10's Recap*
Year 4	Place value	Area	Multiplication and division	Fractions Decimals A	Decimals B Money	Consolidation Shape

	Addition and subtraction *3's, 4's, 6's*	Multiplication and division Consolidation **7's, 8's, 9's*	Length and perimeter Fractions **11's, 12's*	**Revise all multiplication tables*	Time **Revise all multiplication tables*	Statistics Position and direction **Revise all multiplication tables and division calculations*
Year 5	Place Value Addition and Subtraction **Revision and rapid recall up to 12x12*	Multiplication and division A Fractions A **Revision and rapid recall up to 12x12*	Multiplication and division Fractions B **Revision and rapid recall up to 12x12*	Decimals and percentages Perimeter and area Statistics **Revision and rapid recall up to 12x12*	Shape Position and direction Decimals **Revision and rapid recall up to 12x12*	Negative Numbers Converting units Volume **Revision and rapid recall up to 12x12*
Year 6	Place value Addition, subtraction, multiplication and division **Revision and rapid recall up to 12x12*	Fractions A Fractions B Converting units **Revision and rapid recall up to 12x12*	Ratio Algebra Decimals	Fractions, decimals and percentages Area, Perimeter, and Volume Statistics	Shape Position and Direction SATS focus	Project-based maths Recap of key skills

Meeting our Vision and Values

Vision: At Platt C of E Primary School, we want pupils to develop an enjoyment of mathematical enquiry. We endeavour to encourage our pupils to be inquisitive learners who can recognise that understanding patterns and seeking solutions to problems can support them to grow as individuals. The beginnings lie in the Foundation stage where pupils experience a broad range of teacher-led and child-initiated explorations of the world around them, subitising, counting and recognising how ideas fit together. As pupils go through the school, their explorations of concepts and fluency of thought is developed. Their understanding of how the world works around them grows and like the parable of the mustard seed, mathematics gives pupils a way to develop and grow as potential mathematicians.

Care (compassion, friendship)	**Learn** (wisdom, koinonia)	**Forgive** (forgiveness, hope)
Maths encourages pupils to discuss and share their ideas as well as giving them opportunities for independent work. Friendship and compassion are encouraged as pupils	Mathematics is a subject that supports learning across many subjects. Pupils learn the skills and approaches that equip them to explore learning throughout their lives. Mathematics has a practical	Discovering the patterns that mathematics show us, develops an awareness of the beauty of the world and supports pupils to have hope. Pupils learn to forgive themselves for the mistakes they make as they learn.

work together and support each other.	use but is also an exploration of the wonders of the universe.	

Intent

At Platt C of E Primary School we use the White Rose Maths curriculum, which is an ambitious, spiral curriculum, accessible to all pupils. We use a mastery approach combining the use of concrete, pictorial and abstract representations to support pupils' developing understanding.

> We will develop pupils' declarative knowledge; the facts, concepts and formulas that underpin their understanding; by promoting number sense, number facts and times tables.
>
> We will develop their procedural knowledge; the ways that they solve problems; by using a mastery approach across the whole school promoting mathematical discussion and reasoning.
>
> We will develop pupils' conditional knowledge; how they apply their understanding to reason and problem solve.

This will give pupils the core skills to support learning both within mathematics, across all school subjects, and throughout their entire lives.

Implementation

At Platt C of E Primary school we use the White Rose Maths schemes of work, which cover the objectives of the National Curriculum (and Development Matters for Reception children), to structure our curriculum throughout the school from EYFS to Year 6 to instil a deeper understanding of mathematical concepts using a full range of fun and inspiring classroom activities this ensures a clear progression of skills that is built on year on year.

We use Times Tables Rockstars in Upper Key Stage 2 to help create confident and competent maths learners by securing the foundation of quick multiplication and division recall.

We build fluency in mathematics by frequently practising and using key representations and concreate resources to support conceptual understanding with lots of mathematical talk within lessons.

Pupils will be given the opportunities across the school to explore mathematical concepts in a variety of ways. Mathematics will include whenever it is appropriate:

- High quality concrete manipulatives available to all learners.
- Picture based approaches, giving chances both to see and create representations of mathematical concepts.
- Practical application of pupils' learning, allowing them to relate what they have learned in class to other aspects of their lives.
- The opportunity to use abstract representations, allowing the beauty of mathematics to be explored.
- High quality mathematical talk, using age-appropriate, precise mathematical terminology.

- Experiences and moments of wonder that will allow pupils to explore their spiritual journey through mathematical understanding.
- Timetabled interventions for maths are in place for pupils with SEND; all other pupils receive regular group support as part of their maths lessons with further support for individuals or small groups where a need is identified.

Impact

Summative and formative assessment is used throughout our mathematical teaching. Teachers ensure that children's gaps and misconceptions are addressed this is done through activities such as Flash back 4 and end of block assessments. Before the start of a new topic children re-visit previously taught skills, this is to ensure that children know more and remember more. Teachers use a range of formative assessment techniques throughout taught sessions to ensure that children keep up and do not need to catch up. This successful approach at Platt Church of England Primary School results in a fun engaging, high-quality mathematical education that provides pupils with the foundations and knowledge for understating the world.

At Platt Church of England Primary School, our pupils develop the mathematical knowledge, skills and understanding which they apply to their daily lives, local environment, and the world in which they live. Pupils develop their ability to see pattern, understand how things relate to each other, and solve problems. Through our curriculum, pupils at Platt Church of England Primary School have the tools and knowledge to create high aspirations for their future study, careers and adult life.