

## Planning for Mathematics at our Federated Schools

Maths Lead for both schools is Susan Watts.

### Long term planning

The National Curriculum for Mathematics 2014 and EYFS Development Matters provide the long term planning for mathematics.

### Medium Term Planning

We use the White Rose Maths Hub schemes of learning for our medium term planning documents and lesson plans. These plans support our mastery approach and are consistent with the aims and objectives of the National Curriculum. The schemes break down children's learning into small steps and provide learning opportunities for reasoning, mathematical fluency and problem solving. They ensure teachers stay in the required Key Stage and support children acquiring a depth and breadth of knowledge of mathematical concepts. These schemes also provide teachers with exemplification for maths objectives. The schemes support pupils working together as a whole groups where possible. Children build competency by following the CPA (concrete, pictorial, abstract) approach allowing them to work with a variety of objects and equipment to bring their maths to life, before drawing or using different representations, enabling them to move onto abstract methods with confidence. Our pupils who understand mathematical concepts quickly are challenged in different ways to use and consolidate their knowledge. Teachers often draw on other mathematical resources to help them do this, for example, resources from NRICH.

### EYFS

#### Dunton - Robin Class, Wrestlingworth - Squirrel Class

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	<b>Getting to know you</b> (Take this time to play and get to know the children!)  Contains overviews and frequently asked questions  <a href="#">VIEW</a>			<b>Just like me!</b> Match and sort Compare amounts Compare size, mass & capacity Exploring pattern  <a href="#">VIEW</a>			<b>It's me 1, 2, 3!</b> Representing 1, 2 & 3 Comparing 1, 2 & 3 Composition of 1, 2 & 3 Circles and triangles Positional language  <a href="#">VIEW</a>			<b>Light &amp; dark</b> Representing numbers to 5 One more or less Shapes with 4 sides Time  <a href="#">VIEW</a>		
Spring term	<b>Alive in 5!</b> Introducing zero Comparing numbers to 5 Composition of 4 & 5 Compare mass (2) Compare capacity (2)  <a href="#">VIEW</a>			<b>Growing 6, 7, 8</b> 6, 7 & 8 Combining two amounts Making pairs Length & height Time (2)  <a href="#">VIEW</a>			<b>Building 9 &amp; 10</b> Counting to 9 & 10 Comparing numbers to 10 Bonds to 10 3-D shapes Spatial awareness Patterns  <a href="#">VIEW</a>			Consolidation		
Summer term	<b>To 20 and beyond</b> Build numbers beyond 10 Count patterns beyond 10 Spatial reasoning 1 Match, rotate, manipulate  <a href="#">VIEW</a>			<b>First, then, now</b> Adding more Taking away Spatial reasoning 2 Compose and decompose  <a href="#">VIEW</a>			<b>Find my pattern</b> Doubling Sharing & grouping Even & odd Spatial reasoning 3 Visualise and build  <a href="#">VIEW</a>			<b>On the move</b> Deepening understanding Patterns & relationships Spatial mapping (4) Mapping  <a href="#">VIEW</a>		

# KS1

## Dunton - Kingfisher Class, Wrestlingworth - Acorn Class

### Year 1 and 2 Autumn Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number <b>Place value</b> (within 10) <a href="#">VIEW</a>					Number <b>Addition and subtraction</b> (within 10) <a href="#">VIEW</a>					Geometry <b>Shape</b> <a href="#">VIEW</a>	Consolidation
Autumn term	Number <b>Place value</b> <a href="#">VIEW</a>			Number <b>Addition and subtraction</b> <a href="#">VIEW</a>				Geometry <b>Shape</b> <a href="#">VIEW</a>				

### Year 1 and 2 Spring Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Spring term	Number <b>Place value</b> (within 20) <a href="#">VIEW</a>		Number <b>Addition and subtraction</b> (within 20) <a href="#">VIEW</a>			Number <b>Place value</b> (within 50) <a href="#">VIEW</a>		Measurement <b>Length and height</b> <a href="#">VIEW</a>		Measurement <b>Mass and volume</b> <a href="#">VIEW</a>		
Spring term	Measurement <b>Money</b> <a href="#">VIEW</a>	Number <b>Multiplication and division</b> <a href="#">VIEW</a>				Measurement <b>Length and height</b> <a href="#">VIEW</a>		Measurement <b>Mass, capacity and temperature</b> <a href="#">VIEW</a>				

**Year 1 and 2 Summer Term** SATS weeks are week 4 and 5 of the Summer Term.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<b>Summer term</b>	Number <b>Multiplication and division</b> VIEW		Number <b>Fractions</b> VIEW		Geometry <b>Position and direction</b> VIEW	Number <b>Place value (within 100)</b> VIEW		Measurement <b>Money</b> VIEW	Measurement <b>Time</b> VIEW		Consolidation	
<b>Summer term</b>	Statistics VIEW		Number <b>Fractions</b> VIEW		Geometry <b>Position and direction</b> VIEW		Problem solving		Measurement <b>Time</b> VIEW			

**Dunton - Owl Class, Wrestlingworth - Oak Class**

**Year 3 and 4 Autumn Term**

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<b>Autumn term</b>	Number <b>Place value</b> VIEW		Number <b>Addition and subtraction</b> VIEW				Number <b>Multiplication and division</b> VIEW					
<b>Autumn term</b>	Number <b>Place value</b> VIEW		Number <b>Addition and subtraction</b> VIEW			Measurement <b>Area</b> VIEW	Number <b>Multiplication and division</b> VIEW				Consolidation	

**Year 3 and 4 Spring Term**

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<b>Spring term</b>	Number <b>Multiplication and division</b> VIEW		Measurement <b>Length and perimeter</b> VIEW		Number <b>Fractions</b> VIEW		Measurement <b>Mass and capacity</b> VIEW					
<b>Spring term</b>	Number <b>Multiplication and division</b> VIEW		Measurement <b>Length and perimeter</b> VIEW		Number <b>Fractions</b> VIEW			Number <b>Decimals</b> VIEW				

**Year 3 and 4 Summer Term**

The Year 4 Multiplication Check will be held in the second half of the Summer Term.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Summer term	Number <b>Fractions</b> VIEW	Measurement <b>Money</b> VIEW	Measurement <b>Time</b> VIEW	Measurement <b>Time</b> VIEW	Geometry <b>Shape</b> VIEW	Statistics <b>Statistics</b> VIEW	Consolidation					
Summer term	Number <b>Decimals</b> VIEW	Measurement <b>Money</b> VIEW	Measurement <b>Time</b> VIEW	Consolidation	Geometry <b>Shape</b> VIEW	Statistics <b>Statistics</b> VIEW	Geometry <b>Position and direction</b> VIEW					