Ditton uses White Rose for trusted maths teaching and learning

White Rose primary Maths resources are designed to instil a deeper understanding of mathematical concepts using a full range of fun, inspiring classroom activities. The curriculum offer has been reviewed with the New Ofsted Framework in mind. If you are interested in how this is mapped and the deeper thinking behind **White Rose Maths** you can find it here PowerPoint Presentation

The maths resources we have access to on White Rose include schemes of learning and a wide variety of supporting material, including high quality maths worksheets, fully adaptable teaching slides, video lessons and more. These really support

To help you monitor understanding and progress throughout the year there are end of block and end of term assessments.

The primary maths resources cover all the essential topics in Key Stage 1 and Key Stage 2. They include times tables, the four operations (addition, subtraction, multiplication and division), basic decimals and fractions, percentages, number system use and more.

Teaching for mastery

At White Rose there is a mastery approach to maths teaching. This is a research-driven teaching and learning method that meets the goals of the National Curriculum.

What does it mean in practice? In summary, a mastery approach…

- **Puts numbers first:** Our schemes have number at their heart, because we believe confidence with numbers is the first step to competency in the curriculum as a whole.
- **Puts depth before breadth:** we reinforce knowledge again and again.
- **Encourages collaboration:** children can progress through the schemes as a group, supporting each other as they learn.
- **Focuses on fluency, reasoning and problem solving:** it gives children the skills they need to become competent mathematicians.

Concrete Pictorial Abstract

At the heart of the mastery approach is the Concrete Pictorial Abstract (CPA) approach. Research shows that when children are introduced to a new concept, working with concrete physical resources and pictorial representations leads to a better understanding of abstract concepts. We use CPA throughout our schemes of learning.

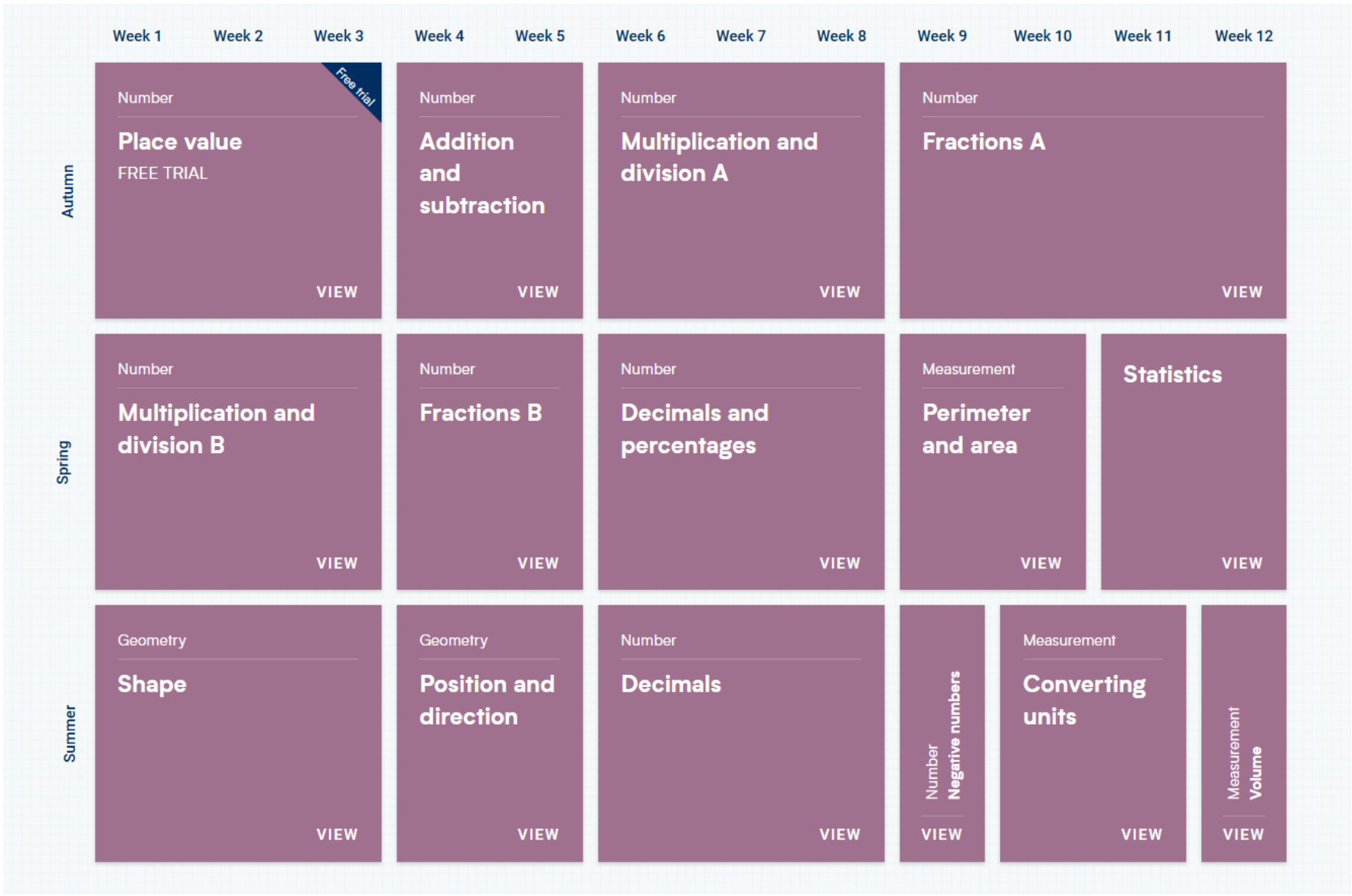
Year 3 Maths

	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	Number **Place value** FREE TRIAL VIEW			Number **Addition and subtraction** VIEW					Number **Multiplication and division A** VIEW			
Spring	Number **Multiplication and division B** VIEW			Measurement **Length and perimeter** VIEW			Number **Fractions A** VIEW			Measurement **Mass and capacity** VIEW		
Summer	Number **Fractions B** VIEW			Measurement **Money** VIEW		Measurement **Time** VIEW		Geometry **Shape** VIEW		Statistics VIEW		Consolidation

Year 4 Maths

	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	Number **Place value** FREE TRIAL VIEW				Number **Addition and subtraction** VIEW			Measurement **Area** VIEW	Number **Multiplication and division A** VIEW			Consolidation
Spring	Number **Multiplication and division B** VIEW			Measurement **Length and perimeter** VIEW	Number **Fractions** VIEW				Number **Decimals A** VIEW			
Summer	Number **Decimals B** VIEW			Measurement **Money** VIEW	Measurement **Time** VIEW		Consolidation	Geometry **Shape** VIEW	Statistics VIEW	Geometry **Position and direction** VIEW		

Year 5 Maths



Year 6 Maths