

## Mathematics at

### The Federation of Bishop Sutton and Stanton Drew Primary Schools

Here at The Federation of Bishop Sutton and Stanton Drew Primary Schools, we believe that everyone can achieve in Mathematics and no one should be left to feel they 'can't do Maths'. All children should have access to high-quality teaching, resources, discussion and support to allow them to make progress.

We teach National Curriculum Mathematics with a mastery Mathematics approach. 'White Rose v3.0' is our main scheme of work but as we continue on our mastery journey, we strive to effectively incorporate other high-quality resources such as the NCETM progression documents/ PowerPoints, Power Maths, the DfE publication: *Mathematics Guidance: Key Stages 1 and 2* (2020) (often referred to as the 'Ready to Progress' document) and the 2021 NCETM *Curriculum Prioritisation*. We make adjustments to our scheme of work according to our professional judgment, training and the needs of the pupils in our classes.

Through explicit, carefully structured teaching, the skilful use of representations to reveal the structure of mathematical concepts, opportunities for problem-solving and reasoning, careful support and the fostering of a positive attitude, we believe we enable our pupils' numeracy skills to build and flourish.

We know that securing firm foundations in mathematical understanding then building on this knowledge 'brick by brick' is essential for progress. If blocks of learning are missing, future learning can be impaired and effective support or intervention to 'fill the gap' is needed. Our Long-term plan for Maths (based on the White Rose v3.0 overview and the Mathematics Overview from our multi-academy trust, Lighthouse Schools Partnership) ensures that knowledge is built upon unit by unit and year by year.

Our Foundation Stage teachers have been working from the 2021 EYFS Curriculum since September 2021. In the EYFS we follow a mastery approach to the teaching of maths based on research and training from the NCETM, using White Rose Maths as our scheme of work alongside number fluency lessons from the NCETM's Mastering Number programme.

We consider and incorporate progression advice from the DfE publication: *Mathematics Guidance: Key Stages 1 and 2* (2020). As a school, we are currently exploring the 2021 NCETM Curriculum Prioritisation work as a possible alternative or partner to White Rose Maths as a scheme of work.

#### **Fluency of Key Number Facts**

Mathematics is taught daily in all year groups. Alongside the main Maths teaching, pupils take part in short 'Recall Fluency' sessions as follows:

Y1 – Y2: 'Mastering Number' scheme: Fluency in number and additive facts

Y3 – Y4: 'Ashley Down Times Tables' scheme: Fluency in multiplicative facts

Y5 – Y6: 'Quick Maths Fluency': Retrieval practice and consolidation

We are mindful of the transition between key stages/ year groups and now assess pupils on their recall of key facts at the beginning of the year. For example, in Year 3, Terms 1 and 2 will focus on recapping key additive facts from the Mastering Number scheme if pupils need more support (either as a class or as an intervention group) before they start the Ashley Down Times Tables scheme. In Years 5 and 6, we assess the pupil's recall of multiplicative facts and focus on improving recall in Terms 1 and 2 before moving on to our 'Quick Maths Fluency' if needed.

### **Mastery Mathematics**

Since the academic year 2018/2019, we have chosen to embed a 'mastery' approach to the teaching and learning of Mathematics in our federation. We believe this has allowed our pupils to grasp new concepts more easily, deepen their understanding, further their ability to reason and use precise vocabulary. We are in our sixth year of our 'mastery journey' and all of our teaching staff have benefitted from training and research from the Bristol-based Boolean Maths Hub. Both schools have participated in the Boolean-led teacher research groups for 'Developing', 'Embedding' and 'Sustaining' mastery Mathematics and continue to participate in a 'Sustaining' group in 2023-24. Our Reception teachers have also worked alongside Boolean Mastery specialists to develop and enhance our Early Years Foundation Stage Mathematics curriculum.

**Our Mathematics Curriculum Leader, Cathy Lambert, is an NCETM Primary Mastery Mathematics Specialist and has worked with Boolean Maths Hub to support the teaching of Mathematics in our federation and in several primary schools in Somerset for three years. She has also worked with another Mastery Specialist to design primary Mathematics assessment procedures for our multi-academy trust and to deliver training to on this to other primary Maths Leads.**

### **Covid-19/ Lockdown Recovery**

Following Lockdown 2021, on advice from the DfE and the NCETM, we redesigned our Term 5 and 6 Maths curriculum in all year groups to address gaps in key mathematical learning. Through careful assessment, we continued to do this in the academic year 2021-2022 and will continue to respond to the needs of our pupils as necessary. For example, in the school year 2022-2023, we chose as a federation to start the year with a fortnight on 'Measurement: Time' and 'Geometry: Shape' in order to address gaps in knowledge identified in our previous summer assessment. We then returned to our adapted long-term plan based on the above.