

Maths Curriculum Impact Statement 2023



Overall synopsis / developments:

This year, I have listened to pupil voice and staff voice about our maths curriculum. As a school, we felt at the start of the year that our White Rose curriculum was good but that children needed more opportunities to develop paid recall and flexibility with times tables. Our EYFS and KS1 children have been part of the NCETM Mastering Number programme for a number of years which has had a huge impact on automaticity with number facts such as number bonds, doubles, near doubles and composition of number. Next year the NCETM are launching a new KS2 Mastering Number programme aimed at developing multiplicative reasoning. Therefore, I applied to take part in the programme and our school will be part of the first group of schools in the country to take part in the new exciting programme. This will complement the number facts sessions happening in KS1 to further develop fluency across school. It will also develop our pupils' understanding of multiplication and division.

In addition, I developed a bespoke times tables initiative across school called 'Karate Maths' to motivate and reward children for learning in times tables. This launched with a real karate Sensei leading a karate maths assembly to spark interest and children wearing their marshal art outfits (gis) to school that day. Children are invited to karate maths club on Thursday break and lunch times to practise times tables with myself and the maths ambassadors. If they feel they are ready to go for their karate maths belt they are graded and awarded the corresponding colour of belt that matches their times table knowledge. Each times table has a colour assigned to it matching the karate belt grading system. Certificates and belts are awarded in celebration assemblies. The children are enjoying this and are practising with the older children in school.

Maths in the EYFS:

Maths in the EYFS is good. Maths is taught daily in Reception. The children have opportunities to reinforce mathematics learning regularly through areas of indoor and outdoor provision. The children also take part in the NCETM Mastering Number programme to develop proficiency and automaticity with number facts.

Data overview for Maths

Percentage of children at the Expected Standard or better (age appropriate)

Reception	Key Stage 1	Key Stage 2	Whole school
80.7%	83.1%	81.8%	81.9%
Maths SATs results 2023		97% EXS	30% GDS

* Subject in EYFS = Mathematics

Highlights / Life in all its fullness:

- Working alongside the Maths link governor- Alison McGarel
- Ongoing maths Staff CPD throughout the year to staff and teachers from other schools
- Maths super learning week for all year groups
- Maths assembly led by Maths Ambassadors
- Y6 nationwide maths competition
- Launch of Karate Maths times tables initiative
- Karate Maths club to allow children to practise time stables with older children
- Being accepted on next year's KS2 Mastering Number programme
- Y6 SATS results

Another highlight of the year was our whole school Maths Super learning Week. The maths ambassadors helped me to plan the week and assigned different famous mathematicians to each class for children to research. We also explored maths through music and carried out maths related artwork. For example, Y6 learned about the Fibonacci sequence and how it is present everywhere in nature. Y6 created pieces of art inspired by the sequence's 'golden ratio'. We celebrated the maths learning that week with a special maths assembly led by the maths ambassadors.

As a Primary Maths Mastery Specialist for Abacus Maths Hub, I have worked closely with the Hub this year, disseminating updates and maths training to my colleagues in school, in schools in our SIG group and with schools across the North West through my workgroups with the Maths Hub. I have led demonstration maths lessons for colleagues and led open lesson demonstrations for the Maths Hub as part of their offer of professional development for teachers.

Subject leadership - CPD, Monitoring and books:

Learning walks and pupil voice led me create our bespoke times tables initiative 'Karate Maths' and apply to take part in the new KS2 Mastering Number programme in 2023/24/

Pupil voice (including ambassadors)

The children have commented that they love Karate Maths and working their way through the karate belts and that the maths ambassadors help them to practise their times tables at break.

The Maths Ambassadors from Y5 and Y6 have had a big impact this year on making maths fun across school by planning engaging activities for Maths Week and helping me to run Karate Maths club.