**At Dogsthorpe Infant School, we believe that Maths is an essential life skill and children should have opportunities to develop their mental arithmetic and problem-solving strategies.**

**SUBJECT ON A PAGE**

**Maths**

**Intent – We aim to…**

Champion a love of Maths by exploring number, shape and measure in a variety of interactive ways.

Develop a consistent approach for the teaching of Maths by instilling confidence in all staff through using White Rose and NCETM.

Develop children’s growth mindset as they are faced with challenges to solve.

Provide a rich variety of open-ended challenges and problems to develop children’s ability to reason and explain their thinking, as well as make links to previous learning.

Give children the skills they need to apply Maths to other areas of the curriculum.

**Implementation – How do we achieve our aims?**

**Organisation**

In EYFS, children engage with an NCETM lesson 4 times a week. They access a rich variety of maths activities through continuous provision.In Year 1, Maths lessons are taught during Maths Mornings 3 times a week and opportunities to explore maths daily, during continuous provision are planned. In Year 2 Maths is taught daily for one hour or every other day for two hours, following the White Rose Scheme. All KS1 classes have NCETM lesson 4 times a week.

**Resources**

We use the White Rose scheme to give us a clear and progression learning journey in Key Stage 1. The scheme offers a range of resources, including assessments. Skills are developed through a mastery approach. In addition to White Rose, we follow the NCETM ‘Mastering Number’ programme from EYFS-Y2.

**Wider curriculum and/or**

**home learning**

We have developed cross-curricular links to Maths e.g. use of Beebots in Geography and statistics in Science. Maths activities are uploaded onto our home learning platform at least fortnightly.

We offer a Maths Wizards after-school club to challenge our high ability mathematicians.

**Impact – What will we see?**

Our pupils will demonstrate a growth mindset and be fully engaged in interactive Maths lessons. They will be able to recognise numerals, count reliably and recall number facts appropriate to their year group, then use this knowledge to help them to solve problems. They will be able to make links to previous learning and explain and reason their answers using sentence stems such as ‘I know this because…’ Children will be able to use different manipulatives (e.g. Rekenreks, Tens frame, dienes) and strategies (e.g. partitioning, part-part-whole, bar model and numberlines) to solve calculations involving the four operations. They will know, understand and use appropriate mathematical vocabulary in number, measure and shape. Our children will develop the confidence and resilience to attempt challenges and recognise that there is not always one right answer.