



NETHERTON INFANT & NURSERY SCHOOL
SUBJECT ON A PAGE
Maths

OVERALL CURRICULUM INTENT:

At Netherton I and N School we want our children to leave us as confident mathematicians ready for their next stage of learning. We want children to enjoy maths and be successful. We believe that Maths should link to the real world, that children should see examples of maths in everyday life, talk about their learning in maths and become competent mathematical thinkers. Maths "mastery" is our approach, everybody can achieve and our learning links to the 5 big ideas for Mastery (variation, representation and structure, coherence, fluency, mathematical thinking). Children work on activities together, and learning is developed in small steps using concrete, pictorial and abstract approaches. Maths is celebrated through school through "Maths in Action" books and displays, cross curricular opportunities and "Proud" assembly (Maths wizard and Num Bots certificates). As a staff team we are all trained on EY Maths (Karen Wilding) focussing on developing a deep understanding of number, introducing maths through meaningful experiences with a key focus on subitising as a vital mathematical skills for future learning. These principles are continued throughout Key Stage one with a focus on deep understanding, making connections and a strong number sense.

SUBJECT SPECIFIC:

INTENT The aims of the teaching	IMPLEMENTATION How the teaching is structured/sequenced and assessed	IMPACT What knowledge & skills are gained
<ul style="list-style-type: none"> • That children achieve well in Mathematics and all children are capable of succeeding and reaching their full potential. • To understand that Maths is important for life: developing key life skills which unlock opportunities that help them to understand the value of maths in the wider world and throughout their lives. • To be competent mathematicians, to apply their skills and knowledge in different contexts transferring their skills to unfamiliar situations. • For children to enjoy maths, see it as exciting, challenging and rewarding. • For children to be able to talk about their learning confidently, discuss how they know, how they worked something out, use talk to reason and apply knowledge with their teachers and peers. • To be fluent mathematicians – to know and understand key facts quickly and efficiently and be able to use this knowledge when working on more complex multi step problems. • Confident teachers of Maths who research quality professionals with sound mathematical knowledge such as Derek Haylock, Karen Wilding. 	<ul style="list-style-type: none"> • Quality first teaching. Whole class maths lessons, in the moment/ same day interventions. Everyone working on the same objectives, mixed ability groups and the opportunity to access challenges for all children. • Karen Wilding Maths principles implemented throughout school and all teachers following training and keeping up to date with ongoing CPD. • National curriculum followed – White Rose used as a "tool" to support planning. Bespoke order of units planned to match children's needs. Also utilise other resources as appropriate such as "primary stars", "ncetm" • "Maths in Action" as a focus for display, homework, school wide projects and links to activities in the classroom. • Learning built up gradually – small steps progression – clear objectives and outcomes – clear modelling of learning. • Clear progressions through planning units, learning sequenced coherently to avoid cognitive overload. • Clear activities with progression from concrete, pictorial to abstract. • Enjoyable fluency activities that children can access at home and at school showing and celebrating achievement and success (NumBOTS and TT Rock stars). • "Proud" assemblies celebrate maths weekly with certificates and class "Maths Wizard". • Year 2 Maths after school club with a focus on reasoning, problem solving and fun challenges to inspire and motivate. • On-going assessment throughout the year and ready to progress assessment completed in Summer 2 as a bridge to the next year group. • Maths talk to be integral to every Maths lesson – children growing in confidence talking about how they know something – reasoning and proving what they know and understand and be able to explain this to someone else. • To learn from each other, to have the confidence to have a go and create an ethos of respect and growth within the classroom. 	<ul style="list-style-type: none"> • Children enjoy their learning and value Maths in their lives and the wider world. • Children have a sound understanding of the foundations of number and their learning is built on a solid grasp of the number system. • Children make good progress from their starting points. • They enjoy celebrating and showcasing their work and achievements and talk about what they are doing to their peers and adults. • Stimulating environment that fosters learning, trial and error, learning from mistakes, having a go, showing resilience and perseverance. • Homework and school projects completed, children enjoy challenging themselves at home (NumBots, TT Rock stars).

