

## West Heslerton CE Primary School Curriculum statement for the teaching and learning of Maths

	"Children are at the centre of all we do"
ETHOS	"Children are at the centre of all we do" We encourage everyone in our school community to live life well reflecting Christian attitudes and values and working in partnership with families as part of a wider, caring community. The hallmarks of a Christian life lived well are – · Love · Joy · Self-control · Peace · Kindness · Patience · Generosity · Gentleness · Faithfulness Galatians 5:22 – 23
SCHOOL	As a family-orientated church school, children have opportunities to build positive relationships across a multi-generational community, equipping them to be role
SUBJECT INTENT	At West Heslerton our intent of our mathematics curriculum is to ensure that every child enjoys mathematics and becomes an enthusiastic mathematician by developing their skills, knowledge and understanding through practical experiences that have relevance and purpose in everyday situations. Our intention is to produce an ambitious, connected curriculum accessible to all pupils in school. It is important that children develop the skills of numeracy to become lifelong learners. They should be able to apply these skills in different situations across the curriculum and in daily living outside school. Mastery Pupils are required to explore maths in depth, using mathematical vocabulary to reason and explain their workings. A wide range of mathematical resources are used and pupils are taught to show their workings in a concrete, pictorial and abstract form wherever suitable. They are taught to explain their choice of methods and develop their mathematical reasoning skills. We encourage resilience, adaptability and acceptance that struggle is often a necessary step in learning. Our curriculum allows children to better make sense of the world around them relating the pattern between mathematics and everyday life. We aim to ensure that all pupils: develop a positive attitude towards mathematics. develop a positive attitude towards mathematics. develop the ability to solve problems through decision making and reasoning in a range of contexts. develop the ability to solve problems through peaking and leasoning in a range of contexts. develop mathematical communication through speaking and listening, practical activities and recording work. develop an ability to use and apply mathematics across the curriculum and in real life.

e.	High expectations	Modelling	Fluency	Vocabulary	
	All pupils are expected to make at least good progress from their starting point and achieve their full potential.	Staff teach the skills needed for children to succeed by providing quality first teaching and having high expectations.	Pupils apply the skills taught confidently and independently across the curriculum.	Ambitious vocabulary is taught explicitly and can be used by pupils appropriately.	
	The Teaching of Fluency (Conceptual Understanding)	The Teaching of Reasoning (Mathematical Thinking)	The Teaching of Problem Solving	Pattern and Connection Identification	
	We intend for all pupils to become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, which link to real life situations. This enables pupils to develop conceptual understanding and apply their mathematical thinking, allowing them to develop their ability to recall and apply knowledge rapidly and accurately.	We intend for all pupils to think mathematically and reason mathematically. The pupils have opportunities to develop their mathematical thinking in every Maths lesson and we support pupils to develop mathematical 'habits of mind'- to be systematic, generalise, make conjectures and seek out patterns.	We intend for all pupils to solve problems by applying their mathematics to a variety of problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.	All pupils will have opportunities to identify patterns or connections in their maths; they can use this to predict and reason and to also develop their own patterns or links in maths and other subjects.	
IMPLEMEN TATION	Skills, knowledge and vocabulary are taught following the National curriculum. In EYFS we follow the 'Birth to 5 Matters' and use the Development Matters Checkpoints to track progress, these are non-statutory - only the 'Early Years Framework' is statutory. See EYFS Mathematical Long term Progression Plan.				

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Brain Time (E are to promote	for children during Busy YFS/Yr1). These tasks e independent learning, ment, organisation and	Outdoor Learning As a Forest School, we continue and extend our learning outdoors, in a range of different areas in our locality. By doing this, we are able to expand our range of skills, knowledge and vocabulary. EYFS and Yr1 also have continual access to outdoor learning as part of their provision.	Wider Opportunities Bank visits – my money week	Whole School Events Times Table Rock Stars events

	<b>Inclusion</b> All children receive a high-quality and ambitious education regardless of need or disability, both in and out of the classroom. In Maths we support these children	Continuing Professional Development (CPD) We continuously strive to better ourselves and frequently share ideas and strategies that have been particularly effective. Ongoing, sustained and subject-specific professional development is at the heart of the Maths curriculum and therefore all staff and the Maths Subject Leader attend a range of CPD opportunities across the academic year. We also look out for other CPD opportunities from other organisations such as Maths Hub, Research School, EYFS Hub and the NCETM.	Nurture The six principles of nurture are woven throughout our curriculum. • Learning • Wellbeing • Behaviour • Language • Safety • Transition			
IMPACT	We strive to create a supportive and collaborative ethos for learning by providing a variety of opportunities to help children gain a coherent knowledge of understanding of each unit of work covered. Our curriculum is high quality, well thought out and is planned to demonstrate progression. We focus on the progression of knowledge and skills, and discrete vocabulary progression also forms part of each unit of work. We measure the impact of our curriculum through monitoring methods and by carrying out teacher assessments at the end of every unit of work. EYFS checkpoint assessments are monitored at the end of each term.					
	Pupil Voice	Evidence in knowledge	Evidence in skills	Outcomes		
MONITORING METHODS	Through discussion and feedback, pupils talk enthusiastically about their maths lessons and speak about how they love learning about maths. They can articulate the context in which maths is being taught and relate this to real life purposes. Pupils show confidence and believe they can learn about a new maths area and apply the knowledge and skills they already have.	Pupils know how and why maths is used in the outside world and in the workplace. They know about different ways that maths can be used to support their future potential. Mathematical concepts or skills are mastered when a child can show it in multiple ways, using the mathematical language to explain their ideas, and can independently apply the concept to new problems in unfamiliar situations. Pupils demonstrate a quick recall of facts and procedures. This includes the recollection of the times table.	Pupils use acquired vocabulary in maths lessons. They have the skills to use methods independently and show resilience when tackling problems. The flexibility and fluidity to move between different contexts and representations of maths. Pupils show a high level of pride in the presentation and understanding of the work. The chance to develop the ability to recognise relationships and make connections in maths lessons. Where appropriate, staff plan a range of opportunities to use maths inside and outside school.	At the end of each year we expect pupils to have achieved their academic potential, with the majority in line with National Age-Related Expectations. Some children will have progressed further and achieved above National Age-Related Expectations. Children who have gaps in their knowledge receive appropriate support. <b>Mastery</b> All pupils secure long-term, deep and adaptable understanding of maths which they can apply in different contexts.		