



Mathematics at Hodnet School 2025-2027

**Enabling all children to flourish in a safe,
nurturing and welcoming learning environment'.**

This policy should be read in conjunction with the following policies:

- Curriculum policy
- Early Years policy
- Assessment policy
- Behaviour policy
- SEND policy
- Teaching and Learning policy
- Marking and Feedback policy
- Safeguarding & Child Protection policy

Safeguarding statement of intent:

Safeguarding all our children is of paramount importance to us therefore, all necessary risk assessments are carried out prior to any activity. Enhanced DBS checks are carried out when recruiting new staff or volunteers. When welcoming visitors we check whether they have a DBS and carefully monitor their contact with children according to the regulated activity rules in the DBS guidelines. We are a “Safer School” and at least one member of staff and governors who are involved in the recruitment process have attended “Safer Recruitment Training.” New staff are made aware of all the related Safeguarding documents including the Child Protection policy as part of the induction process and all staff receive Child Protection Awareness training regularly.

Whole School Curriculum Intent

At Hodnet Primary School, we endeavour to provide a broad and balanced, but flexible, curriculum which meets the needs of our children, and enables every child to fulfil their potential. We pride ourselves on our ability to tailor our curriculum to the interests and needs of our children and involve the children in their own learning as much as possible. Our curriculum reflects our school aims for every child; encouraging positive relationships based upon mutual trust and respect whilst maintaining a 'can do' strive for success attitude. Our ambitious curriculum has been designed to follow the statutory requirements for all children from the Early Years Foundation Stage and the National Curriculum. We ensure that children have the opportunity to experience the curriculum and express themselves as an individual.

The key principles behind our [curriculum design](#) are based on these wishes for our children:

To be happy, respectful and kind

To be confident with a strong sense of self-belief

To be resilient

To be excited and inspired by learning

To be an independent learner and a creative thinker

To have high aspirations

To be creative

To have eyes open to a world beyond their immediate surroundings

To be an effective communicator

To have the knowledge and skills they need to succeed

Mathematics curriculum mission statement.

Our aim at Hodnet is for children to become confident mathematicians who are able to use and apply their mathematical knowledge, skills and understanding in everyday life. We want them to enjoy maths and develop a sense of curiosity about the subject. We promote positive 'can do' attitudes to learning and believe all children can achieve. We teach through small, manageable steps to ensure a secure, deep understanding of mathematical concepts and strategies. We want children to understand the power of making mistakes and learn more from their misconceptions. Our curriculum aims to ensure that all pupils:

- become **fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- **reason mathematically** by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can **solve problems** by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Mathematics Curriculum Implementation

We expose our children to enriching experiences, immersing them in progressive knowledge and skills and equipping them with personal characteristics required to succeed in life.

We organise our learning opportunities into a themed based approach on a two year rolling programme. Our themes are broad to enable many learning opportunities to link within the topic.

CYCLE A	Autumn	Spring	Summer
KS1	Castle Adventures	Exciting Journeys	I need a Hero!
LKS2	Stone Age to Iron Age	Europe	Ancient Egypt
UKS2	To infinity and Beyond	WWII	Globe Trotting

CYCLE B	Autumn	Spring	Summer
KS1	London Adventures	Amazing Animals	Spectacular Seashore
LKS2	Made in Shropshire	Roman Invasion	Mighty Mountains
UKS2	Glorious Greeks and More! from 2023 onwards	The magic of the Rainforest	Invaders and Settlers from 2023 onwards

We have adopted the teaching for mastery approach for our maths curriculum. We use a range of materials from both White Rose Maths and NCETM following small steps to help develop a deep, secure understanding of maths. This allows our children to develop their fluency in the fundamentals of maths, improving their conceptual understanding and recall of number facts. They have access to a range of concrete and pictorial representations to deepen their understanding and allow them to make connections.

This approach also allows regular opportunities to reason mathematically, encouraging pupils to talk about maths by explaining their thinking using the correct language and make justifications to show their understanding. There is also a focus on problem solving where children apply their knowledge to a range of real-life contexts making their learning meaningful.

We also subscribe to MathShed in KS2 and Times Tables Rock Stars to encourage and facilitate children becoming fluent with number facts.

Maths is taught daily for 1 hour in Year 1-6. We have also implemented the Mastering Number programme in Reception, Year 1 and Year 2 where children have short daily sessions to secure firm foundations in the development of number sense.

See 'Maths Lessons at Hodnet School' Document for further details of what our daily lessons usually look like.

Curriculum Impact

We measure the impact of our curriculum intent by reviewing what we hope to achieve against what we deliver and monitoring that alongside our curriculum aims.

We aim for all our children to develop an enquiring mind, to be enthused by mathematics, to ask questions and to become creative thinkers.

They will become:

- confident in using a range of methods
- develop their accuracy and fluency in all areas
- resilient, willing to take risks and try new things
- inquisitive learners
- problem solvers using a range of strategies
- more skilful in reasoning about number

Our pupils will have positive experiences of maths which are relevant and have meaning so they can apply their skills and become confident mathematicians in everyday situations.

Staff continually assess children's understanding throughout lessons and try to put interventions in place where required or use it to inform future planning. We also use unit and termly assessments where appropriate to inform our teacher judgement of where pupils are with particular maths concepts or skills. We assess children against National Curriculum objectives via tapestry to give us an overall view of whether children are working towards, have reached or are beyond the expected standard for mathematics.

Curriculum sparkles!

At Hodnet we encompass the key drivers of Cultural Capital by ensuring our curriculum has that bit of extra sparkle by including the following enrichment opportunities:

	Weekly magic!	Termly specials!	Visits/visitors	One offs	Extra bits
EYFS	<ul style="list-style-type: none"> • Letter sound learning through themed days/events • Forest Schools • Gardening • Outdoor / physical Maths • Class Library • Picture news 	<ul style="list-style-type: none"> • Curriculum weeks x3 (2021/22 mental health, music, RE/cultural) • Church celebration / concert • Music workshops • Curriculum assembly 	<ul style="list-style-type: none"> • Farm • Castle • New baby • Library • Hodnet Hall • Fire station • Tractor in school • Pets / animals • Dentist visit 	<ul style="list-style-type: none"> • Helicopter STEM projects • RAF projects/garden projects • Sports day in house teams • Panto MD 	<ul style="list-style-type: none"> • Diwali party • Chinese New Year celebration • Birthday celebrations • Nativity performance
KS1	<ul style="list-style-type: none"> • Forest Schools • Outdoor Maths • Daily run • Music lessons (optional) • Picture news 	<ul style="list-style-type: none"> • Curriculum weeks x3 (2021/22 mental health, music, RE/cultural) 	<ul style="list-style-type: none"> • Local science visit • Chester Zoo • London drama workshop • Castle • Aquarium 	<ul style="list-style-type: none"> • Helicopter STEM projects • Shropshire Sings/choir • Selected inter schools sports competitions 	<ul style="list-style-type: none"> • Drama and visitors, dress up days • Nativity performance • Scootability

		<ul style="list-style-type: none"> • Church celebration / concert • Music workshops • Curriculum assembly 	<ul style="list-style-type: none"> • Seaside/beach • Shrewsbury Fire station • Cosford air museum • Dentist visit 	<ul style="list-style-type: none"> • RAF projects/garden projects • Sports day in house teams • Panto MD 	
LKS2	<ul style="list-style-type: none"> • Daily run • Music lessons (optional) • Recorder • TTRS • Ed Shed • Picture news 	<ul style="list-style-type: none"> • Curriculum weeks x3 (2021/22 mental health, music, RE/cultural) • Church celebration / concert • Curriculum assembly 	<ul style="list-style-type: none"> • Shrewsbury museum • Shrewsbury Darwin town walk • Shropshire Hills discovery centre • Anglo Saxon workshop • Roman Fort • Cadbury World • Severn Trent Water 	<ul style="list-style-type: none"> • Helicopter STEM projects • Shropshire Sings/choir • Swimming • Multiple inter schools sports competitions • RAF projects/garden projects • Sports day in house teams • Panto MD 	<ul style="list-style-type: none"> • History visitors, dress up days • Play / performance eg, Joseph or Aladdin • Stepping Out road safety • Fire Officer Safety talks • NSPCC pants
UKS2	<ul style="list-style-type: none"> • Daily run • TTRS duels and competitions • House point collectors – house captains • Pupil responsibilities • Music lessons (optional) • Newsround • Picture news 	<ul style="list-style-type: none"> • Curriculum weeks x3 (2021/22 mental health, music, RE/cultural) • Church celebration / concert 	<ul style="list-style-type: none"> • Chester Zoo rainforests • Science museum • Chester Roman fort • Hodnet Hall • Space science visit • Safety scene day • Western Park/Cosford 	<ul style="list-style-type: none"> • Helicopter STEM projects • London trip • School sleepover stargazing experiences • Fly to the line RAF 100 / STEM projects • Shropshire Sings/choir • Swimming gala • Multiple inter schools sports competitions • RAF projects/garden projects • Sports day in house teams • Panto MD 	<ul style="list-style-type: none"> • Play / performance eg, Joseph or Aladdin • History visitors, dress up days • Oakerwood Residential trip. 1 week. • Bikeability programme • CPR first aid • NSPCC pants, stay safe speak out