

Subject on a page: Mathematics



At HGJS, we know that children's chances of succeeding in education and life will be maximised if they develop deep and lasting procedural and conceptual mathematical understanding. As such, we teach Maths in small steps, constantly reviewing and recapping knowledge to ensure effective recall. Our children are encouraged to be creative and resilient problem solvers, equipping them with a solid foundation to develop crucial life skills.

Maths will be taught for one hour and Number Sense for fifteen minutes daily. Number Sense sessions will supplement Maths learning, ensuring all pupils can confidently calculate mentally and recall their times tables fluently.

INTENT: What we want to deliver



Children will develop deep and lasting procedural and conceptual mathematical understanding

Children will be exposed to problem solving and reasoning activities so they build resilience and growth mindsets

Staff and children will use precise mathematical vocabulary when discussing mathematical concepts and processes.

Children will have daily arithmetic practice (with a specific focus each half term) in addition to and prior to their maths lesson to embed key skills

Children will know and use mental mathematical knowledge and strategies to support their mathematical development.

White Rose Maths materials will be used to enhance and support our maths teaching and learning. Learning will be sequenced into well thought-out small steps showing clear progression.

IMPLEMENTATION: How do we aim to deliver this?

Children will have daily Times Table Fluency or Number Sense lessons to ensure our pupils have mental dexterity in Maths, able to calculate quickly and efficiently, and effortlessly recall key facts.

Retrieval activities are used to start every Maths lessons, ensuring pupils have a good recall of different mathematical processes, with any misconceptions identified and addressed quickly.

Teachers model what is expected from children using 'I do, we do, you do' so that children have a clear understanding of new skills and processes.

Children will be encouraged to work collaboratively with others and explain their thinking, allowing them to decipher mathematical problems with support.

Reasoning and problem solving activities will be embedded into every lesson, ensuring pupils can apply their mathematical understanding in a real life context.

All pupils will have access to concrete resources and scaffolds will be provided where needed. To help pupils remember key processes, repetition of clearly displayed stem sentences will be encouraged.

IMPACT: How will we know when we have delivered this?

Regular and systematic review of prior learning will take place to ensure good recall.

Summative assessments will be used to assess pupils knowledge and understanding. Any misconceptions will be addressed, ensuring pupils make good progress over time.

Pupils outcomes will match or exceed National Average at the end of KS2 (Year 6).

Pupils will develop a growth mindset, able to persevere when tackling increasingly challenging mathematical problems.

