

## **Mathematics Curriculum Intent**

We believe that all pupils deserve the opportunity to:

Acquire a secure grasp of mathematical skills

Be able to use these skills in everyday life and future employment

To be confident dealing with mathematical tasks

Develop an interest and enthusiasm for maths

Appreciate how useful maths is

Through our maths curriculum, we provide a curriculum that:

- is accessible to all pupils from year 7 to the end of year 11
- teaches spaced topics ensuring embedded learning
- Covers the national curriculum
- Increases in complexity as pupils progress through the scheme

We aim for our pupils to be able to:

- become fluent in the fundamentals of mathematics
- reason
- solve problems
- use mathematical language
- become comfortable to take a chance in maths
- develop a conceptual understanding
- have a quick & accurate recall of facts
- reason mathematically
- make mathematical conjectures and develop a mathematical argument
- use mathematical language
- solve problems by selecting the appropriate information
- communicate using their mathematical vocabulary
- develop resilience, confidence and independence
- understand how to improve where necessary

Our pedagogy is underpinned by:

- the teaching of understanding leading to the mastery of maths
- a spaced curriculum ensuring pupils visit topics a number of times, building on prior knowledge each time
- teaching small chunks each time
- building a store of key vocabulary

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Our curriculum is enriched by:

- applications for students to join Simon Singh masterclasses
- entering pupils into the UK maths challenge
- Making links to careers
- Including equality and diversity activities
- encouraging pupils to participate in online events as they arise
- Recognising effort, achievement & progress within the department
- Rewarding effort, achievement & progress via communications with home
- Encouraging independent home learning
- Offering Statistics GCSE
- Offering Further Maths GCSE