Through the study of Mathematics our learners will have the opportunity to develop aspects of their character such as resilience, endurance, confidence, curiosity and independence. They will develop skills such as: problem solving, reasoning, communicating mathematically, logical thinking and number sense. Our learners deserve a creative and ambitious mathematics curriculum, rich in skills and knowledge, which develops understanding of the structures within mathematics, ignites curiosity, builds confidence and self-esteem. Our curriculum and our teaching approach is inclusive, no one is excluded on account of their race, ethnicity, culture, religious beliefs, gender, disability or social disadvantage. The curriculum and resources used ensure that all learners see themselves represented within these resources and are relevant to all. Learners will trust their teachers to help them develop the capacity to apply their problem solving skills and mathematical reasoning to life beyond school; they will become successful citizens, of service to society and to let their light shine.

In mathematics, learners:

- develop their knowledge and understanding of personal finance.

- are made aware of how mathematics is used in the workplace.

- are encouraged to think critically about data that is presented to them.

- are encouraged to utilise their mathematical skills in other subject areas.

- are made aware of the history of mathematics.

Key Stage 3

Learners follow the spiral Sparx curriculum where topics are regularly revisited and retrieved. This establishes the building blocks which gives them the platform to access KS4 learning and beyond.

Key Stage 4

Learners at Key Stage 4 also use the Sparx inspired curriculum to consolidate their learning, and assimilate new learning that allows them to successfully approach external examinations and beyond.

All learners are assessed against the AQA GSCE specification (grades 9 - 1). Assessment is by examination at the end of Year 11. Learners take three papers, each 1 hour 30 minutes. The first paper is a non-calculator paper, the second and third allow the use of a calculator.

The Sparx platform delivers homework and independent study to consolidate their understanding and learning for all pupils.

Enrichment

100% Club - Year 7 & Year 8

Opportunity offered to the whole cohort to participate in learnign about mathematics in the real world: It's use and presentation in Art, Sport, Politics, Environment, and Transport.

MEM Challenge

Year 9
Edge Hill Mathematics Challenge and University of Liverpool STEM trips

MEM Senior Challenge
Year 10
Girls in Mathematics/STEM trips

University of Liverpool Maths School - Team Challenge
MEM Senior Challenge

Year 11

Maths Revision Residential weekend

Year 10 & Year 11

Further Mathematics & Statistics

Offers the most mathematically able pupils two additional qualifications.