The Curriculum > Mathematics

Why do we learn Mathematics?

Mathematics teaches our pupils to develop resilience, perseverance, confidence, curiosity, and independence. They will develop skills such as problem solving, reasoning, communicating mathematically, logical, and critical thinking. Our learners will understand how mathematics shapes their world, now more than ever before.

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. There is a strong focus on inclusive teaching for disadvantaged learners. Learners will develop the capacity to apply their problem-solving skills and mathematical knowledge to life beyond school, they will become successful citizens, contribute to society, and live fulfilled lives.

How do we learn in Mathematics lessons?

In KS3, pupils follow a Mastery informed curriculum based on learning, understanding, and knowing 5 key skills in Years 7 - 9.

We teach fewer topics so that more knowledge can be learnt and retained.

In Key Stage 4, pupils look to cement the core knowledge of KS3. Pupils follow the Aqa GCSE specification for Mathematics and where appropriate, a number of pupils may also be entered for the Entry Level Certificate.

The Subject Site is a key vehicle for practice and retrieval of knowledge, and pupils are encouraged and supported to become independent learners.

What do we learn in Mathematics lessons?

	Autumn	Spring	Summer
Year 7	Bar Models Fractions	Numberlines Graphing Skills	Converting Units
Year 8	Number Properties Substitution	Equations	Transformations Measure
Year 9	Averages FDP	Chance Triangles	Proportion
Year 10	Processes Substitution Factors, Multiples & Primes	Area & Volume Types of Number & Linear Functions	Ratio & Probability
Year 11	Vectors Indices Congruence Fundamentals of Chance	Quadratic functions Understanding graphs and functions	Properties & Constructions