

Maths Curriculum intent

Pupils' learning and development is at the heart of our school's curriculum; it is aimed to be broad and balanced and equip pupils with the skills necessary to succeed in life after school.

What the curriculum is designed to do?

A deep understanding of how maths is used in the world of work is essential for gaining wider understanding of the world. The study of economics allows pupils to make more informed financial decisions both as an individual/investor and potentially as a business manager/owner. The study of statistics allows pupils to be able to deeply understand data, spot patterns and make informed decisions in many walks of life.

How we deliver the curriculum

This is a three-year course, during year 9 and 10 students study economics and in year 11 students study statistics. The year 9 curriculum is split into term blocks. Each term involves a half-term of learning key words and key concepts and a half-term of applying that knowledge in real-world situations through a project. Year 9 has two objectives, the first is to allow students to get a deep understanding of key economic concepts by making sure that all teaching considers long-term memory. To do this we incorporate strategies such as retention starters, drawing on pre-requisite knowledge and re-teaching concepts based on AFL. The second aim of the year 9 curriculum is to allow students to understand how economics is used within the real world. Both these priorities will give students a good base to build on in year 10.

The year 10 economics curriculum is about preparing students for their GCSE in Economics. There are two big emphases in year 10, the first is to make sure that students fully understand all the different economic concepts. We do this by using AFL to highlight any misconceptions or gaps in knowledge, as this allows us to see which parts need reteaching. The second is to make sure that students have a very good understanding of how to answer all the different exam-style questions. We do this by exposing students to model answers and through using scaffolds to allow them to start writing high mark achieving answers.

How we assess pupils

Two separate GCSEs

Year and Course	Paper 1	Paper 2
10 Economics AQA	How Markets Work 1hr 45 Mins 80 Marks	How the economy works 1hr 45 Mins 80 Marks
11 Statistics EDEXCEL	Paper 1 1hr 30 Mins 80 Marks	Paper 2 1hr 30 Mins 80 Marks

How the Applied Mathematics curriculum benefits pupils' learning and personal development

The curriculum benefits students learning in two ways. One it ensures that topics are revisited this means that students have a chance to master any content that they found difficult first time. Secondly, the curriculum is designed to benefit long-term memory and learning is 'a change in long-term memory', so we maximise student learning by ensuring that we focus on retention of information.

The economics curriculum also develops students' personal development as the project side of the curriculum allows students to understand how money is used in the real world, but it also allows students to develop communication skills. As students have to work in a team and deliver presentations; all of which are valuable personal skills.