

Maths at Invested Education



Intent

The intent of Maths education in Invested Education is to provide a high-quality, inclusive, engaging and fun curriculum that fosters a love of Maths and enables all learners to make strong progress. Our focus is on developing learners' confidence, competence, and perseverance in Maths, and supporting them to overcome barriers and to foster a love of Maths.

Implementation

The Maths curriculum is tailored to the diverse needs of our learners. We begin by assessing each learner's initial Mathematical understanding and use this to inform the design of their learning journey. We ensure that our lessons are engaging and inclusive, making use of a range of resources and activities that cater to different learning styles and abilities. This includes the use of technology, manipulatives, real-life contexts, and rich problem-solving tasks. We also provide opportunities for learners to develop their Mathematical communication, reasoning and application skills.

Our subject content is delivered across six areas of study: Number, Algebra, Ratio and Proportion, Geometry and Measure, Statistics and Probability which are built upon with increasing intensity.

We create a supportive classroom environment that encourages risk-taking and celebrates effort and progress. We recognise that some learners may need additional support to overcome any barriers to success in Maths, such as poor confidence, weak basic skills, or emotional difficulties. Our teachers work closely with teaching assistants, support staff, and other professionals to provide the necessary support and interventions.

Impact

The impact of our Maths provision is reflected in our learners' progress, achievement, and enjoyment of Maths. Our learners are better equipped to solve mathematical problems, reason mathematically and apply mathematical skills in a range of contexts. Furthermore, our learners have developed more positive attitudes towards Maths and have an increased sense of confidence and resilience in their ability to succeed in the subject.

In summary, the intent of our Maths curriculum is to raise the profile and enjoyment of Maths and promote risk taking and perseverance. Through its implementation, we tailor our program to meet the unique needs of our students, ensuring that they have a positive and meaningful experience in Maths. The impact of our Maths curriculum is wide reaching as it contributes to self confidence in other areas of study as well as supporting essential life skills allowing our pupils to thrive.

Qualifications

- GCSE: Our KS4 students follow the Edexcel 9-1 course at a level appropriate to their ability, either the Foundation or Higher Tier.
- Functional Skills: As well as a GCSE, our KS4 students can work towards an Edexcel functional skills qualification in Maths at a level appropriate to their ability, either Entry Level, Level 1 or Level 2.

Life beyond Invested Education

At Post- 16 Mathematics can be studied at A- Level.

This subject is related to the following careers and could lead to a pathway in mathematical careers such as

- Accountant
- maths teacher
- Banking

There are many other interesting career paths that involve studying mathematics and/or going on to work in a job where mathematics plays a substantial role.

- Architect
- Statistical Consultant
- Computer Games Developer
- Music Software Engineer

- Researcher
- Data Analyst
- Builder
- Doctor
- Pilot
- Scientist.