

Mathematics @ eotas

Our Mathematics provision aims to create enjoyment and enthusiasm for learning and exploring mathematics. To enable competence and confidence in mathematical thinking, knowledge and skills.

Big ideas



- Maths is diverse, engaging and essential in equipping students with the right skills to reach their future destination.
- Develop fluent knowledge, skills and understanding of mathematical methods and concepts.
- Develop pupils' confidence in mathematical reasoning.
- The mathematics curriculum will be innovative and implement a creative programme to cover all six strands.

Content and Sequencing



- The curriculum is built around the six strands:
 - Number
 - Algebra
 - Ratio, proportion and rates of change
 - Geometry and measures
 - Probability
 - Statistics
- Students follow a curriculum that is carefully sequenced to allow students to build on previously taught content.
- The curriculum is regularly reviewed to address areas where particular cohorts need more support.
- Greater depth is prioritised over breadth.
- Challenge is built into lesson content, content is taught at a pace appropriate to the class.



Links with English and Maths

- Conveying mathematical ideas is an important aspect of maths.
- Spelling and using vocabulary correctly and in the correct context.
- Explaining mathematical thinking to others and be able to justify methods and conclusions.
- English skills can be used to interpret and discuss results from data handling lessons.
- Using inference skills to work out what is being asked for in a worded problem.

Retrieval Practice



- Low stakes quizzing ensures students are fluent with ideas
- Previously taught content is interweaved into new ideas to secure understanding
- Key formulae to be learnt to prepare for examinations
- Rapidly and accurately recall and apply facts and concepts.

Progress



Units of work are carefully sequenced so prior knowledge and concepts are built upon. Students will have an opportunity to complete examinations such as Entry level, GCSE Mathematics and GCSE Statistics. End of unit questions, problem solving questions and links to real life applications of mathematics throughout the programme of study.

Support



- Everyone has access to the mathematics national curriculum
- Some pupils have specific support and guidance taken from their EHCP and Pupil passport
- An online revision environment is provided to support students outside of the classroom

