

What do you teach: Qualification and assessment

At REACH school we believe in the importance of being confident in using Mathematics for your future. Mathematics is extremely important to understand the world around you and supporting all other curriculum areas as well as being a vital skill for life. We follow the Edexcel GCSE exam boards and study:

- Number
- Algebra
- Ratio, proportion and rates of change
- Geometry and measures
- Probability
- Statistics

The Maths GCSE is Assessed with:

- Test Paper 1 (non-calculator)
- Test Paper 2 (calculator)
- Test Paper 3 (calculator)

We also offer Edexcel Functional Skills Mathematics at level 1 and level 2

Our intent for an ambitious mathematics curriculum

Aims

REACH mathematics will ensure all students:

Respect – Understand the importance of numbers in the world around to them so they can access and understand it.

Employable - Have access to exciting careers with money such as running a business, logical thinking and programming such as developing computers and games to engineering jobs from developing products to exploring space .

Aspirational - We support the development of maths skills which can be used all over the world and beyond. Mathematics opens up the world to those who can make it add up.

Courageous – Problem solving is at the heart of mathematics and keeping going until you can do it and get the right answer. There are many ways to find the answer by understanding and logical thinking.

Happy - We love to solve problems, to ask questions and to know more.

Skills and Knowledge

- At REACH we promote that Mathematics offers an opportunity to understand the world around them, from things affecting the money in their pocket to getting a rocket to space and all the things in between. Mathematics helps to understand the information they see around them, make links between ideas and understand the big picture. Mathematics is a way of communicating with the whole world.

Real World Experiences

- Students expand and deepen their understanding of Mathematics content by connecting the curriculum topics to what they know in their lives. Mathematics in the real world is used from payments with money, using bus timetables and accessing information on mobile phones and computers. The skills they will learn from studying Mathematics will help them to understand the information they access and to be able to evaluate information to form a solution or their own opinion.

Future pathways

- Mathematics will enable students to confidently move through the world and their future learning environment or employment. Being able to understand what is being shown to you, understand it and solve problems are key skills which will enhance their life choices and futures.

Challenge

- Students can develop higher level learning to understanding the problems they are asked and understanding of numbers, patterns and shapes that will impact them as individuals within a local and globalised context now and in the future.

Enriching

- We aim to promote inquisitive learning through exploration of things they see in the world outside the classroom and how maths affects and can help them. Real world examples and mathematics happened all around us in our lives and world.