



# Persnore High School

## Mathematics @Persnore High School

### **Intent:**

The Mathematics curriculum at our secondary school aims to develop students' problem-solving skills, mathematical fluency, and ability to reason and communicate mathematically. Our curriculum is designed to provide students with the opportunity to develop a deep understanding of mathematical concepts and to apply this knowledge to a range of situations.

### **Implementation:**

Our Mathematics curriculum is delivered through a range of topics, including number, algebra, geometry, statistics, and probability. Topics are revisited as part of our spiral curriculum, giving students the opportunity to review prior learning and develop their understanding further. Lessons involve recall activities, demonstration, explanation, discussion, and independent work.

We aim to provide students with a variety of mathematical experiences, including problem-solving questions and real-world applications. We encourage students to develop their mathematical reasoning and communication skills through discussion, explanation, and justification.

### **Impact:**

Our Mathematics curriculum aims to have a positive impact on students in a range of different ways, including:

- Developing students' mathematical fluency, enabling them to perform mathematical operations accurately and efficiently.
- Developing students' understanding of mathematical concepts, including number, algebra, geometry, and statistics.
- Developing students' problem-solving skills, enabling them to apply mathematical concepts to real-world situations and to reason and communicate mathematically.
- Developing students' ability to use mathematical tools and technology effectively.
- Encouraging students to develop a positive attitude towards mathematics and to appreciate its value in everyday life.

Through our Mathematics curriculum, we aim to prepare students for further study and employment in fields that require mathematical skills, as well as to develop the skills they need to succeed in adult life.