

# What makes a successful **M A T H E M A T I C I A N**

## at Whickham School?

### Fluency

You will have a range of efficient strategies so you are comfortable applying your knowledge in different situations. You will be confident in your ability to apply maths in the real world and will develop into an independent learner.

### Problem Solving

You will be given the opportunity to solve a range of fun problems, allowing you to develop a resilient approach and to practice lots of different problem solving methods.

### Reasoning

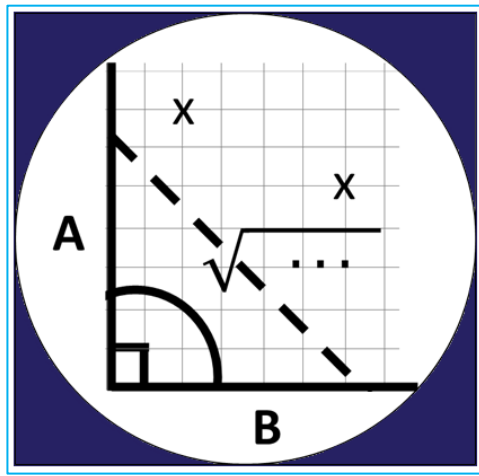
To be able to justify your reasoning and why you have approached a problem in a certain way through the use of mathematical language, sophisticated vocabulary and diagrams.

### Making links

Working with our passionate staff, you will learn about how the maths you learn in the classroom links to the real world. Our five year curriculum will also help you to make links between the different strands of maths and see the bigger picture too.

### Challenge

You will relish the opportunity to challenge yourself with problem solving questions and exam style questions, whilst also knowing how to access the support offered to you to make good progress.



### Growth Mindset

You will feel safe to take risks, understanding that mistakes are a part of learning, as well as working hard to improve on your weaknesses and build on your strengths.

### Develop

Through collaborative learning, you will build strong relationships with your teacher and your peers, equipping you with the skills needed to communicate and work well with other people and in the real world.

### Progress

You will engage with the five year curriculum which builds upon and interleaves learning from previous years, ensuring you are equipped to make good progress and achieve your goals.