



Deepening Learning and Raising Aspirations through the AIRR values.  
What does this look like in our Mathematics curriculum?

## Aspire:

Our maths curriculum is ambitious and highly inter-connected through-out KS3 to KS5. We want to students to understand the world from a mathematical perspective, by fostering and developing a “there are no limits” mindset, taking away perceptions of glass ceilings to success, and developing a sense of pride in achievement and progress. We want students to increase their self-confidence, creativity and financial literacy, so they can open up routes to further study and careers, as practised mathematicians can be the highest earners in many industries.

## Be Independent:

We want students to build on their natural inquisitiveness to “dig deeper” and become problem solvers. We want students recalling mathematical knowledge and numeracy skills, applying them to new and challenging situations in all aspects of their lives. To encourage participation in extra-curricular challenges.

## Be Resilient Learners:

Developing the skills to accept failure, by reflecting on prior learning and developing recall to aid retention and using this to have the confidence in finding a correct solution for future success. Identifying wrong answers to overcome mathematical misconceptions. Promote/identify links between topics/concepts/contents to reduce the enormity and help consolidate learning. First Attempt In Learning (FAIL) philosophy to encourage participation.

## Be Respectful:

To understand the importance of “British Values” and how numeracy and Mathematics provide a foundation for understanding the world. Encouraging students in the carrying and use of correct equipment to increase success. Peer-to-peer understanding of processes to encourage best practice collaboration and support harnessing mutual respect.