



Maths for the Secondary Challenge Curriculum Pathways

Wilson Stuart School
A Special Academy



Rationale:

Through the Secondary Challenge Pathway, we aim to ensure that our students are:

- Provided with a variety of mathematical curriculum experiences, which will lead each pupil towards achieving his/her maximum potential in their logical reasoning and problem-solving skills.
- Able to make links between the different math topics and be able to use and apply their mathematical skills in everyday life.
- Able to share their mathematical understanding through class discussions.
- Able to apply skills learnt to real life allowing for independence in the community and to prepare them for adulthood.
- Participants in a variety of Enterprise projects across the school.

Maths Curriculum for Secondary Challenge Pathway

Intent	Implementation	Impact
<p>The curriculum that is offered through the Secondary Challenge Pathway:</p> <ul style="list-style-type: none"> • Explore and apply a range of mathematical concepts through a variety of situations linked to real life skills. • Develop mathematical resilience. • To be able to solve problems in real life by using and applying their mathematical knowledge. • Maths skills are reinforced and revisited through a variety of contexts to ensure key mathematical concepts are embedded. • An ability to work systematically and accurately with opportunities for working as part of a team and individually to ensure greater understanding. • Opportunities to explain or demonstrate their understanding using appropriate language and /or written work. • Exam practice for relevant students. 	<p>We achieve our intentions by:</p> <ul style="list-style-type: none"> • Taking part in whole school maths events • Providing a range of teacher and student led activities. • Having investigative and problem-solving activities through cross curricular/whole school events/enterprise. • Providing opportunities for mathematical discussion and work beyond the classroom either around the school or on educational visits. • Having opportunities to share their mathematical understanding in small group and whole class discussions. • Challenging students to think and avoiding questions with simple answers. • Using a variety of sources of information including the use of “real life” materials and situations. • Using a variety of technology and mathematical instruments, equipment. • Providing a range of resources (including Numicon) to create continuity and progression. 	<p>The impact of the Secondary Challenge Pathway provision is demonstrated through the development of students who are:</p> <ul style="list-style-type: none"> • Confident in sharing their mathematical understanding. • Demonstrating high levels of engagement in mathematical activities. • Comfortable and at ease with maths and able to explore mathematical ideas. • Not afraid to make mistakes. • Actively participants in problem solving. • Able to use and apply their mathematical skills in a variety of real-life situations. • Successful in entry level/ Life skill Challenges/GCSE.