



## Maths for the Secondary Challenge Curriculum Pathway

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