

## CURRICULUM OFFER

<b>Subject</b>	Mathematics
<b>Intent</b>	<p>Our vision is for all students to leave CSS with the numerical and Mathematical tools required for day-to-day life. We aim to develop all students to their full potential through innovative teaching and the use of engaging activities and ICT. By offering a variety of courses tailored to each individual student, we support them in achieving at least one Mathematical qualification by the end of Year 11, thus enabling progression onto their next steps into College or apprenticeship. We place high levels of importance on raising the confidence and aspirations of our students, helping them to overcome any preconceptions or difficulties with Mathematics and instilling a love of the subject along the way.</p>
<b>Implementation</b>	<p>Students receive two 40 minute lessons of Mathematics per week at the Hadleigh Centre and four 50 minute lessons at the Fairview and Langdon Hills Centres. All lessons are structured in the same way, including all or most of the following:</p> <ul style="list-style-type: none"> <li>• Starter, main and ongoing plenaries</li> <li>• Modelling of mathematical methods</li> <li>• Assessment opportunities: self-assessment/peer assessment/teacher assessment</li> <li>• Engaging differentiated resources</li> <li>• Interactive activities and games</li> <li>• The opportunity for application to examination-style questions</li> <li>• Use of literacy, numeracy and ICT via interactive whiteboard/iPads</li> <li>• The use of scientific calculators</li> <li>• Links to the real world, including scenarios relevant to our students</li> </ul>
<b>Impact</b>	<p>All students require working Mathematical skills to access and function in the real world. Our aim is for all students to leave CSS with a Mathematics qualification ranging from Entry Level to iGCSE. All of these qualifications demonstrate the ability to apply Mathematical thinking and provide access to a range of next steps following CSS.</p> <p>The iGCSE at a grade 4, or the Functional Skills Level 2 equivalent, both allow students access onto a number of Level 2 courses, and some Level 3 courses in conjunction with other qualifications. The iGCSE at grades 1-3, or the Functional Skills Level 1 equivalent, allow students access onto a number of Level 1 courses, and some Level 2 courses in conjunction with other qualifications. All levels of Mathematics qualification studied at CSS will support with an application for a job or apprenticeship.</p> <p>Any student who does not achieve a Level 2 or equivalent qualification by the end of Year 11 will be expected to continue to learn Mathematics until the age of 18, regardless of their next steps. The work completed towards the Entry Level 1/2/3 and Level 1/2 Functional Skills qualifications, as well as the iGCSE qualification, provide a solid foundation for this additional study.</p> <p>In an ever-changing and increasingly tough job market, being able to set yourself apart from another applicant is so important; having a qualification in Mathematics can only be a strength. We spend a significant amount of time relating as much Mathematics back to real-life scenarios as possible, in order to prepare students for life post-CSS.</p>

<b>Accreditations</b>	<p>Edexcel Functional Skills Entry Level 1/2/3          Edexcel Functional Skills Level 1          Edexcel Functional Skills Level 2</p> <p>Edexcel iGCSE Mathematics A (Foundation/Higher Tier)</p> <p>Students working towards all levels of the Prince's Trust Award complete the 'Managing Money' unit of the course in their Maths lessons.</p>
<b>Enrichment opportunities</b>	<p>Possible trips include:</p> <ul style="list-style-type: none"> <li>Colchester Zoo – maths trail &amp; workshop</li> <li>Sealife Adventure – maths trail</li> <li>Bletchley Park</li> <li>The Bank of England Museum</li> <li>Royal Museums Greenwich</li> <li>The Science Museum</li> </ul>
<b>Safeguarding</b>	<p>Students are exposed to a number of topics that lend themselves to discussions around staying safe, particularly when discussing real-life applications of specific mathematical concepts. Our work with students on the Prince's Trust 'Managing Money' unit lends itself well to these conversations too.</p>