

**Curriculum Overview**

<b>Year 8</b>	<b>Subject – Mathematics</b>	<b>Terms – Lent &amp; Trinity</b>
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<b>Topics covered</b>	<p>All the CE topics studied since Year 6 will be reviewed this term. <a href="#">The official complete CE syllabus can be downloaded here.</a></p> <p>A short summary is given below.</p> <p><b>Number</b></p> <ul style="list-style-type: none"> <li>• Four operations with whole numbers, decimal numbers, proper and improper fractions, mixed numbers and negative numbers</li> <li>• Factors and multiples, prime factors. HCF &amp; LCM. Powers and roots</li> <li>• Order of operations (BIDMAS)</li> <li>• Rounding and significant figures</li> <li>• Standard form (Level 3 only)</li> <li>• Percentages and fractions including percentage increase calculations</li> <li>• Measures (length, mass, time, money, capacity)</li> <li>• Ratio, scale and speed problems</li> </ul> <p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>• Simplification, factorisation and expanding brackets</li> <li>• Substitution and rearranging formulae</li> <li>• Writing and solving equations</li> <li>• Create graphs of linear and quadratic equations</li> <li>• Simultaneous equations (algebraically and graphically)</li> <li>• Sequences (including nth term of an arithmetic sequences)</li> <li>• Solving linear inequalities and simple quadratic equations (Level 3)</li> </ul> <p><b>Geometry</b></p> <ul style="list-style-type: none"> <li>• Perimeter and area of 2D shapes including circles.</li> <li>• Volume of prisms</li> <li>• Transformations</li> <li>• Angle laws, angles in parallel lines, angles in polygons</li> <li>• Pythagoras' theorem</li> <li>• Construction: triangles, perpendicular bisectors, perpendicular lines, angles bisectors</li> <li>• Isometric drawing</li> </ul> <p><b>Additional topics</b></p> <ul style="list-style-type: none"> <li>• Probability of single and combined events</li> <li>• Grouping data (pie charts, bar charts, frequency tables, scatter graphs, conversion graphs)</li> </ul> <p>The mathematicians studied these terms will be Turing and Mandelbrot</p>
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For more information about mathematics contact Delphine Riviere or Ivor Simpson.  
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**Curriculum Overview**

<b>Year 8</b>	<b>Subject – English</b>	<b>Terms – Lent &amp; Trinity</b>
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<b>Topics covered</b>	<p><b>Class texts and poetry</b>  <i>Macbeth</i>, William Shakespeare  <i>The Convergence of the Twain</i>, Thomas Hardy  ‘As kingfishers catch fire’, Gerard Manley Hopkins, S.J.  <i>Easter Wings</i>, George Herbert  <i>Pieta</i>, R. S. Thomas  <i>On his blindness</i>, John Milton  ‘Is this the region’, <i>Paradise Lost</i>, John Milton</p> <p><b>Comprehension</b>  Boys will be able to</p> <ul style="list-style-type: none"> <li>• Find information or ideas</li> <li>• Identify meaning beyond the literal</li> <li>• Explain the writer’s choice of words (verbs, adjectives, adverbs etc...) and imagery (similes, metaphors, personification etc...)</li> <li>• Write under timed conditions</li> <li>• Identify all parts of speech and comment on their use</li> <li>• Analyse the text as a whole, with supporting quotations, which are short and embedded</li> </ul> <p><b>Composition</b>  Boys will be able to</p> <ul style="list-style-type: none"> <li>• Develop character</li> <li>• Create a vivid and clear setting</li> <li>• Base ideas on personal experience</li> <li>• Use a wide range of literary devices and a broad vocabulary</li> <li>• Develop a simple plot with a short time frame</li> <li>• Use a range of sentences and sentence length</li> <li>• Be original in responses</li> <li>• Use a range punctuation</li> </ul> <p><b>Essay writing</b>  Boys should</p> <ul style="list-style-type: none"> <li>• Be confident of writing an essay on two of the following texts: <i>Great Expectations</i>, <i>Decline and Fall</i> and/or <i>Macbeth</i></li> <li>• Refer to key events, comment on characters and setting and provide some specific quotations</li> <li>• Structure essays clearly and offer own opinions</li> <li>• Use a variety of punctuation correctly, spell correctly and use ambitious vocabulary throughout</li> <li>• Answer a range of questions. (Questions focus on what makes the texts enjoyable and on characters and different themes)</li> </ul>
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For more information about English contact Ed Graham.

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**Curriculum Overview**

<b>Year 8</b>	<b>Subject – Science</b>	<b>Terms – Lent &amp; Trinity</b>
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<b>Topics covered</b>	<p><b>Revision of CE 13+ syllabus</b></p> <p><b>Biology</b></p> <ul style="list-style-type: none"> <li>• Cells and cell functions</li> <li>• Humans as organisms (nutrition, movement, reproduction, breathing, respiration, health)</li> <li>• Green plants as organisms (nutrition and growth, respiration)</li> <li>• Variation, classification and inheritance</li> </ul> <p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• Classifying materials (solids, liquids and gases; elements, compounds and mixtures)</li> <li>• Changing materials (physical changes, chemical reactions)</li> <li>• Patterns of behaviour (metals, acids and bases)</li> </ul> <p><b>Physics</b></p> <ul style="list-style-type: none"> <li>• Electricity and magnetism</li> <li>• Forces, motion and density</li> <li>• Light and sound</li> <li>• The earth and beyond</li> <li>• Energy resources and energy transfers</li> </ul>
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For more information about science contact Claudia Bandini.

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**Curriculum Overview**

<b>Year 8</b>	<b>Subject – French</b>	<b>Term – Lent &amp; Trinity</b>
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<b>Topics covered</b>	<p><b>Vocabulary</b> – unlimited possibilities but focus within these topics</p> <ul style="list-style-type: none"> <li>• Personal description, family, friends and pets</li> <li>• House, home, daily routine and chores</li> <li>• Life and work at school</li> <li>• Free time and holiday activities</li> </ul> <p><b>Other topics</b></p> <ul style="list-style-type: none"> <li>• Present tense of regular and common irregular verbs</li> <li>• Future tense (aller + infinitive)</li> <li>• Question forms (qui, quand, pourquoi etc. + est-ce que)</li> <li>• Past tense (perfect and / or imperfect)</li> <li>• Gender and plural of common nouns</li> <li>• Definite and indefinite articles</li> <li>• Agreement and position of adjectives</li> <li>• Common adverbs</li> <li>• Possessive articles (mon, ma, mes, son, sa, ses, leurs, nos etc.)</li> <li>• Common prepositions and conjunctions</li> <li>• Numbers</li> <li>• Dates and time</li> </ul>
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**Curriculum Overview**

<b>Year 8M</b>	<b>Subject – Classics</b>	<b>Term – Lent &amp; Trinity</b>
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<b>Topics covered</b>	<p><b>Text Book</b> – <i>Latin for Common Entrance Three</i> by N.R.R. Oulton</p> <p><b>Grammar and syntax</b></p> <ul style="list-style-type: none"> <li>• Irregular verbs: fero, nolo, volo</li> <li>• Pronouns: idem, alius, totus and ipse</li> <li>• Participles: present and perfect passive</li> <li>• Imperfect subjunctive active</li> <li>• Purpose clauses and indirect commands</li> <li>• Dum</li> </ul> <p><b>Vocabulary</b></p> <ul style="list-style-type: none"> <li>• All words Chapters 1-7 in textbook</li> </ul> <p><b>Classical Civilisation</b></p> <ul style="list-style-type: none"> <li>• Topics: the Trojan War, the Wanderings of Odysseus</li> <li>• The Modern Year: ancient and contemporary rhetoric</li> </ul>
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For more information about classics contact Matthew Wright.

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**Curriculum Overview**

<b>Year 8K</b>	<b>Subject – Classics</b>	<b>Term – Lent &amp; Trinity</b>
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<b>Topics covered</b>	<p><b>Text Book</b> – <i>Latin for Common Entrance Two</i> by N.R.R. Oulton</p> <p><b>Grammar and syntax</b></p> <ul style="list-style-type: none"> <li>• Comparison of adjectives: comparatives and superlatives</li> <li>• 3rd declension adjectives: tristis, ingens, and in –er and –ilis</li> <li>• Pronouns: hic, ille, is</li> <li>• Irregular verbs: possum, eo, noli</li> <li>• Reflexive pronouns and adjectives: se/suus</li> <li>• Connectives: nam, igitur, itaque &amp; autem</li> </ul> <p><b>Vocabulary</b></p> <ul style="list-style-type: none"> <li>• All words Chapters 1-10 in textbook</li> </ul> <p><b>Classical Civilisation</b></p> <ul style="list-style-type: none"> <li>• Topics: the Trojan War, the Wanderings of Odysseus</li> <li>• The Modern Year: ancient and contemporary rhetoric</li> </ul>
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**Curriculum Overview**

<b>Year 8</b>	<b>Subject – Religious Studies</b>	<b>Term – Lent &amp; Trinity</b>
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<b>Topics covered</b>	<p><b>Community life in the church</b></p> <ul style="list-style-type: none"> <li>• Marriage and the family</li> <li>• Charity</li> <li>• Laity: role in the community and in the parish</li> <li>• Issues of life and death: euthanasia and war</li> <li>• Attitude to other world religions</li> </ul> <p><b>The liturgical year and devotion</b></p> <ul style="list-style-type: none"> <li>• Advent and Christmas</li> <li>• Lent and the stations of the cross</li> <li>• Holy Week and Easter</li> <li>• Our Lady: the mysteries of the Rosary</li> <li>• Pilgrimage</li> <li>• Eternal Life: heaven, hell and purgatory</li> <li>• The communion of saints</li> </ul> <p>Boys then revise everything covered in the Common Entrance syllabus ready for their exams.</p> <p>Please see online ISEB Religious Studies <a href="#">Syllabus B</a> for a full list of topics included in the CE exam.</p>
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**Curriculum Overview**

Year 8	Subject – History	Term – Lent & Trinity
<b>Topics covered</b>	<p><b>The Children of Henry VIII</b></p> <ul style="list-style-type: none"> <li>• Edward VI and the Book of Common Prayer</li> <li>• The restoration of Catholicism under Mary Tudor and Cardinal Pole</li> <li>• Elizabeth I</li> <li>• The Jesuit mission</li> <li>• Mary, Queen of Scots</li> <li>• The Spanish Armada</li> </ul> <p><b>The Stuarts</b></p> <ul style="list-style-type: none"> <li>• James I, Catholics and Puritans, the Gunpowder Plot</li> <li>• Divine Right of Kings, Charles I</li> <li>• Execution of Archbishop Laud and Strafford</li> <li>• The road to Civil War</li> <li>• Execution of Charles I</li> <li>• Cromwell, the Interregnum</li> </ul>	

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**Curriculum Overview**

<b>Year 8</b>	<b>Subject – Art</b>	<b>Term – Lent</b>
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<b>Topics covered</b>	<b>Lent – animation</b> <ul style="list-style-type: none"><li>• Painting of the school – art exhibition piece</li><li>• History of animation</li><li>• What is stop motion animation?</li><li>• Design story board, set and figures for group animation</li><li>• Filming and editing on computer</li></ul>
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### Curriculum Overview

<b>Year 8</b>	<b>Subject – Geography</b>	<b>Term – Lent &amp; Trinity</b>
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<b>Topics covered</b>	<p><b>Transport</b></p> <ul style="list-style-type: none"> <li>• What is the value of transport routes?</li> <li>• What are advantages and disadvantages of different modes of transport for people and goods?</li> <li>• Case study: what are the positive and negative impacts of building a third runway at Heathrow Airport?</li> </ul> <p><b>Earthquakes and volcanoes</b></p> <ul style="list-style-type: none"> <li>• What are the layers of the Earth and how are they different?</li> <li>• What is the theory of plate tectonics?</li> <li>• What are the different plate boundaries and how do they work?</li> <li>• Case study – the Haiti Earthquake: causes, effects and responses</li> <li>• Case study – the Eyjafjallajokul volcanic eruption: causes, effects and responses</li> </ul> <p><b>Revision</b></p> <ul style="list-style-type: none"> <li>• Location knowledge</li> <li>• Map skills</li> <li>• Settlement and population (case study: London’s Olympic Park)</li> <li>• Weather and climate</li> <li>• Rivers and coasts (case study: flooding in Bangladesh)</li> <li>• Industry and transport (case studies: Halifax, Nike, Heathrow Airport)</li> <li>• Earthquakes and volcanoes (case studies: Haiti Earthquake and Eyjafjallajokul Volcano)</li> </ul>
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