



**Sir John Cass Red Coat School Programme of Study – Key Stage 5**  
**Subject: ICT (A Level)**

Year 12	Year 13
<p><b><u>Topics Covered/ Areas of Focus:</u></b></p> <p>Practical Problem Solving in the Digital World and Living in the Digital World</p>	
<p><b><u>Skills Development &amp; Expected Progress:</u></b></p> <p>INFO 1 (UNIT 1) ‘Practical Problem Solving’, introduces students to the various hardware and software technologies used in ICT, and how you can apply them to different applications in real life. The second theme is INFO 2 (UNIT 2) ‘Living in a Digital World’, which gives you a solid grounding in ICT areas like transferring data, backups and the interface between people and ICT systems.</p>	<p><b><u>Skills Development &amp; Expected Progress:</u></b></p> <p>In the second year students will build on the foundation of year 12 with another two study themes. The first theme, INFO (UNIT 3) ‘The Use of ICT in the Digital World’, will cover technology developments, how to manage ICT projects and the use of ICT solutions within organisations. In the second theme, INFO (UNIT 4) ‘Practical Issue’, students will get hands-on experience by conceiving, designing and implementing a real ICT-related system.</p>
<p><b><u>Assessment:</u></b></p> <p>Each student will complete two 1 hour 30 minutes examination on INFO 1 (Unit 1) worth 50% of AS, 25% of A Level and INFO 2 (Unit 2) worth 50% of AS, 25% of A Level. This will be externally assessed by AQA and will count towards AS level of their final grade.</p>	<p><b><u>Assessment:</u></b></p> <p>Each student will complete a 2 hours examination on INFO 3 (Unit 3) worth 30% of A Level and INFO 4 (Unit 4) project/coursework worth 20% of A Level marked by centre and moderated by AQA.</p>
<p><b><u>Literacy:</u></b></p> <p>INFO 1 and INFO 2 Key terms and topics are taught explicitly that enables pupils to provide oral in class starters and plenaries to reinforce knowledge and understanding. On-going tests prepare students for two paper-based examinations in June.</p>	<p><b><u>Literacy:</u></b></p> <p>INFO 3 key terms and topics are taught explicitly that enables pupils to provide oral in class starters and plenaries to reinforce knowledge and understanding. On-going tests prepare students for one paper-based examination in June. As for INFO 4 students embark upon an individual project/coursework which requires them to liaise with real client and end-users to design and create an ICT solution.</p>

<p><b><u>Numeracy:</u></b></p> <p>Students will be taught spreadsheet formulas and function to demonstrate understanding of numeracy in IT. This evidence is needed for the development of their spreadsheet coursework in INFO 1.</p>	<p><b><u>Numeracy:</u></b></p> <p>Students will be taught spreadsheet and database formulas and function to demonstrate understanding of numeracy in IT. This evidence is needed for the development of their spreadsheet or database coursework in INFO 4.</p>
<p><b><u>ICT:</u></b></p> <p>ICT is the subject of focus.</p>	
<p><b><u>Life in Modern Britain:</u></b></p> <p>Understanding of e-Safety when developing a digital portfolio and using the Internet for every aspect of living in the Digital World (INFO 2). The social, cultural, economic and moral aspects of ICT are taught INFO 2.</p> <p>3. Global Issues- War/terrorism- Task from newspaper article (starter).</p> <p>4. Black History Month – Values of Martin Luther King- Research and Discussion task for starter.</p>	<p><b><u>Life in Modern Britain:</u></b></p> <p>Understanding of e-Safety when developing a digital portfolio and using the Internet for every aspect of living in the Digital World (INFO 2). The social, cultural, economic and moral aspects of ICT are taught INFO 3 and INFO 4. BTEC Nationals covers Threats and safety online on E-Commerce unit.</p> <p>Practising Democracy- Voting (starter task)</p> <p>Legal Consent- Discussion tasks for starter. Q &amp;A</p> <p>Whistleblowing- Freedom of speech- Procedures for Whistleblowing (starter).</p>
<p><b><u>SMSC:</u></b></p> <p>Understanding of e-Safety and using the Internet for every aspect of living in the Digital World (INFO 2). The social, cultural, economic and moral aspects of ICT are taught INFO 2. Students are expected to understand the consequences of using ICT, e.g. legalisations and malpractices.</p>	<p><b><u>SMSC:</u></b></p> <p>Understanding of e-Safety and using the Internet for every aspect of the use of ICT in the Digital World (INFO 3). The social, cultural, economic and moral aspects of ICT are taught INFO 3 and 4. Students are expected to understand the consequences of using ICT, e.g. legalisations and malpractices.</p>
<p><b><u>Meeting the needs of individual students &amp; Additional Support:</u></b></p> <p>Extension and homework clubs are available to support students. Textbooks and online resources are provided to support students' knowledge and understanding.</p>	

**Extra-Curricular Activities & Club:**

Extension and homework clubs are available to support students.

**Independent Study/ Homework:**

Textbooks and online resources are provided to support students' knowledge and understanding. Homework is set on a weekly base to help student in preparing for the two examinations (INFO1 and INFO2) in June.

**Independent Study/ Homework:**

Textbooks and online resources are provided to support students' knowledge and understanding. Homework is set on a weekly base to help student in preparing for the INFO3 examinations in June and keeping in track with INFO 4 project/coursework.

**Resources for Learning Support and VLE:**

Electronic revision material will be available for the exam unit on the Schools VLE Firefly.