Week	Content
1	
2	**Topics for this half-term:**
3	• **Algorithms**
	• **Programming**
4	• **Pseudocode**
	• **Flow charts**
5	**Assessment 1:**
6	Week: 7
	Topics: Partial 2.1 and 2.2
7	

Mid Term Break

Week	Content
8	**Topics for this half-term:**
9	• **Binary**
	• **Hexadecimal**
10	• **ASCII and Unicode**
	• **Images**
11	• **Sound**
	• **Compression**
12	• **Levels of programming**
	• **Translators**
13	**Assessment 2:**
14	Week: 14
	Topics: 2.5, 2.6
15	**Topics for this half-term:**
	• **Storage**
	• **Types of memory**
	• **CPU**

Christmas & New Year Break

Week	Content
16	**Topics for this half-term:**
17	• **Von Neumann**
	• **Embedded systems**
18	• **Operating Systems**
	• **Logic gates**
19	• **Boolean algebra**
20	**Assessment 3:**
	Week: 20
21	Topics: 1.1, 1.2, 1.3, 2.4
22	**Topics for this half-term:**
	• **Network performance**
	• **Client server vs Peer to peer**

Mid Term Break

Week	Content
23	**Topics for this half-term:**
24	• **The internet**
	• **WiFi**
	• **Layers and protocols**
25	**Assessment 4:**
	Week: 25
26	Topics: 1.4, 1.5
	Topics for this half-term:
27	• **Threats to networks**
	• **Preventing vulnerabilities**
	• **Sorting algorithms**
	• **Searching algorithms**
	• **SQL**

Easter Break

Week	Content
28	**Topics for this half-term:**
	• **Sorting and searching algorithms**
29	• **SQL**
30	**Assessment 5:**
	Week: 29
	Topics: 1.6, 2.1 remainder, 2.2 remainder
31	**Topics for this half-term:**
	• **Ethics and computing**
	• **Stakeholders**
32	• **Open source vs Proprietary software**
	• **Laws**
	• **Robust programming**
33	• **Programming practice**

	Mid Term Break	
34	**Topics for this half-term:**	
35	• **Ethics and computing** • **Stakeholders**	
36	• **Open source vs Proprietary software** • **Laws**	
37	• **Robust programming** • **Programming practice**	
38	• **Practice questions** • **Exam technique**	
39	**Assessment:** Mock papers on both Paper 1 and Paper 2	

Course Information

Course Structure	The course is assessed through 100% Exam At the end of Year 11 you will sit 2 exams
Assessment	You will be assessed at 6 points throughout the year. The assessments will be formed of past exam-style content and will be graded with GCSE grades. Each assessment will be mostly focussed on the topic you have been studying; however, some of the questions will be interleaved (questions from other topics) making it vital that you always revisit topics over and over again as part of your 20:20:20 homework.
Feedback	1. You complete the assessment 2. Your teacher will mark the work, giving you strengths that reinforce the positives in your work and targets that directly show you how to improve. 3. Your work will be returned to you and you will fill in a STAR Reflection sheet to help you engage with the feedback and identify how you will improve for next time 4. After reading the detailed feedback your teacher has provided you with, you will improve a part of your work using an improvement flap which will be stapled over the initial piece of work so you can visually see the progress you have made 5. Your assessments will be placed into assessment folders for the subject
Assessment Objectives	<table><tr><th></th><th>How do I demonstrate this in my work</th></tr><tr><td>AO1</td><td>Demonstrate knowledge and understanding of the key concepts and principles of Computer Science.</td></tr><tr><td>AO2</td><td>Apply knowledge and understanding of key concepts and principles of Computer Science.</td></tr><tr><td>AO3</td><td>Analyse problems in computational terms: - to make reasoned judgements - to design, program, evaluate and refine solutions</td></tr></table>
Study Materials	• Knowledge Organisers • CGP Revision Guide • Google Classroom • Craig 'n' Dave YouTube channel • Quizlet • BBC Bitesize
Class Work	You will each be given a ring binder and dividers for this course. You should file away worksheets after the lesson in the correct section. Please do not deface the ring binders in any way or we may charge you for a new one.