

Key Stage 4 Information Technology Curriculum Overview 2021 - 2022

Year Group	Topics - Term 1	Key Assessments	Topics – Term 2	Key Assessments	Topics – Term 3	Key Assessments
10	E-Safety Exploring User Interface Design Principles and Project Planning Techniques: Develop and review a user interface Learning Aim 3C: Implications of Digital Systems	Component 1 – learning Aim C	Collecting, Presenting and Interpreting Data: Investigate the role and impact of using data on individuals and organisations Learning Aim 3D: Planning and Communication	Component 2 – learning aim A	Collecting, Presenting and Interpreting Data: Create a dashboard using data manipulation tools	Component 2 – learning aim B
11	E-Safety Learning Aim 3A: Modern Technologies (Spiral Recap) Learning Aim 3B: Cyber Security (Spiral Recap)	Mock Examination	Learning Aim 3C: Implications of Digital Systems (Spiral Recap) Learning Aim 3D: Planning and Communication (Spiral Recap)	Mock Examination		

Key Stage 4 Computer Science Curriculum Overview 2021 – 2022

Component 1 – Computer Systems

Year Group	Topics - Term 1	Key Assessments	Topics – Term 2	Key Assessments	Topics – Term 3	Key Assessments
10	1.3 Computer Networks	1.3 EUT	1.4 Network Security	1.4 EUT	1.6 Ethics	1.6 EUT
11	1.3 Computer Networks 1.4 Network Security	1.3 EUT 1.4 EUT Mock Exams	1.1 Systems Architecture (Spiral Recap) 1.2 Memory and Storage (Spiral Recap) 1.5 Systems Software (Spiral Recap)	1.1 EUT 1.2 EUT 1.3 EUT Mock Exams		

Component 2 – Computational Thinking

Year Group	Topics - Term 1	Key Assessments	Topics – Term 2	Key Assessments	Topics – Term 3	Key Assessments
10	2.3 Producing Robust Solutions 2.2 Programming Fundamentals (Spiral Recap)	2.3 EUT	2.4 Boolean Logic 2.1 Algorithms (Spiral Recap)	2.4 EUT	2.5 Programming Languages and IDEs 2.3 Producing Robust Solutions (Spiral Recap)	2.5 EUT Mock Exam
11	2.2 Programming Fundamentals (Spiral Recap) 2.4 Boolean Logic 2.5 Programming Languages and IDEs	2.2 EUT 2.4 EUT 2.5 EUT Mock Exams	2.1 Algorithms (Spiral Recap) 2.5 Programming Languages and IDEs 2.3 Producing Robust Solutions (Spiral Recap)	2.1 EUT 2.5 EUT Mock Exams		