THE DEAN TRUST
Lord Derby Academy

Year Group: 11 **Subject: GCSE Computer Science**

Examination Board: EDEXCEL	**Specification Code: 601/8058/4**	**Link to Syllabus:**

Head of Faculty: Mr Ashley

KS4 Subject Lead: Mr Ashley

Examiners in the subject (if applicable):

Term 1 Content Overview	**Term 2 Content Overview**	**Term 3 Content Overview**
Unit: Communication 1. Wired and Wireless networks 2. Network Topologies 3. Protocols and Layers 4. Network Security 5. Cyber Security Threats 6. Detecting and Preventing Threats 7. Mock revision **Unit**: Programming Project 1. Review of Sequencing 2. Review of Iteration 3. Review of Arrays 4. Complete Analysis section of project 5. Complete Design Section of project	**Unit**: The Bigger Picture 1. Environmental impact of technology 2. Ethical impact of using technology 3. Legal impact of using technology 4. Paper 2 Revision – Flowcharts 5. Paper 2 Revision – Pseudocode 6. Paper 2 Revision – Program Code 7. Paper 1 Revision – Data, Computers and Communication – Past papers. 8. Mock Exam Paper 2 focus **Unit**: Programming Project 1. Complete Python Program 2. Complete testing section 3. Complete Evaluation 4. Project Review	**Unit**: Revision 1. Paper 1 Revision – Data, Computers and Communication – Past papers. 2. Paper 2 Revision – Data, Computers, Communication and The Bigger Picture– Past papers.
Term 1 Assessment	**Term 2 Assessment**	**Term 3 Assessment**

***If you require any additional information please contact the KS4 Subject Lead above**

Key Stage 4 Scheme of Work

Assessment Paper 1: Communication **Assessment Paper 2:** Communication and Programming Project	**Assessment Paper 1:** Paper 2 Mock **Assessment Paper 2:** Computing and Programming Project	**Assessment Paper 1:** Paper 1 and 2 Mock **Assessment Paper 2:** Final Examination

Syllabus

https://qualifications.pearson.com/content/dam/pdf/GCSE/Computer%20Science/2016/Specification%20and%20sample%20assessments/GCSE-Computer-Science-2016-Specification.pdf