Aims

• To give students a real, in depth understanding of how computer technology works.

• Insight into what goes on ‘behind the scenes', including computer programming and app

development.

• To develop critical thinking, analysis and problem solving skills which can be transferred to

everyday life.

• To use new and exciting resources to understand current and emerging technologies.

Content

Examination Unit

• Paper 1 – Computational thinking, code tracing, problem-solving, programming concepts

including the design of effective algorithms and the designing, writing, testing and refining of

code. This unit is assessed by written exam which is a mix of multiple choice, short answer

and long answer questions.

• Paper 2 – A written assessment containing long and short multiple questions as well as

multiple choice, This tests students understanding of computer systems, networks, cyber

security, relational databases and SQL and legal ethical and environmental impacts of

Computing.

Examination

• AQA Computer Science Syllabus 8525

• Unit 1: Computational thinking and problem solving 50%

• Unit 2: Computing Concepts 50%