Specification: Single Award

Examination Board: OCR

Qualification: GCSE

Assessment

1 x programming project set by the exam board to show programming skills developed over the

course (approx. 20 hours)

1 x Computer Systems Written Paper (1 hour 30minute 50% of the qualification)

1 x Computational thinking Written Paper (1 hour 30 minute 50% of the qualification)

Course content

Unit 01 - Computer Systems (Written Examination)

This unit covers the body of knowledge about computer systems on which the examination will be

based.

Unit 02 – Computational Thinking, Algorithms and Programming (Written Examination)

This unit cover the body of knowledge for programming to include producing robust programs using suitable programming techniques.

Unit 03 – Programming Project (Controlled Assessment) Students will need to:

Understand standard programming techniques

Design a coded solution to a problem to:

Develop suitable algorithms;

Design suitable input and output formats;

Identify suitable variables and structures;

Identify test procedures;

Create a coded solution annotating the developed code to explain its function and test their solution:

To show functionality;

To show how it matches the design criteria;

Identifying successes and any limitations.

Important requirements

Have an understanding of current and emerging technologies and how they work. Understand what an algorithm is in computer programs. Be an independent and discerning user of IT.

Apply creative and technical skills, knowledge and understanding of IT in a range of contexts. Develop computer programs to solve a problem. Evaluate the effectiveness of computer programs/

solutions and the impact of computer technology in society.

Future progression: Wide ranging across all IT sectors for example Computer Programmer, Software App Developer, Network Manager, Web Developer, System Analyst, Cyber Security.

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