Qualification:

GCSE

Exam Board:

AQA

Exam Codes:

8525

Key Contacts

Mr J Adey (Subject Leader for

Computing)

Grading Structure:

9-1

Assessment

Paper 1: Computational Thinking and Programming Skills

Computational thinking, code tracing, problem solving, programming concepts including the

design of effective algorithms and the designing, writing, testing and refining of code.

• Written exam set in practically based scenarios: 2 hours.

• A mix of multiple choice, short-answer and longer-answer questions assessing programming,

practical problem solving and computational thinking skills.

• 90 marks

• 50% of GCSE

Paper 2: Computing Concepts

Theoretical knowledge from Subject content 3–8.

• Written exam: 1 hour 45 minutes.

• A mix of multiple choice, short-answer, longer-answer and extended response questions

assessing SQL programming skills theoretical knowledge.

• 90 marks

• 50% of GCSE

This course recognises the well established methodologies of

computing, alongside the technological advances which make it such a dynamic subject. GCSE Computer Science has been designed as a stepping stone to

further A level study.

Students will complete this course equipped with the logical and computational skills necessary to succeed at A Level, the workplace or beyond.

1. Fundamentals of algorithms

2. Programming

3. Fundamentals of data representation

4. Computer systems

5. Fundamentals of computer networks

6. Cyber security

7. Relational databases and structured query language (SQL)

8. Ethical, legal and environmental impacts of digital technology on wider society, including issues of privacy

Programming Languages:

AQA supports the following

programming languages (In paper 1 the

students will be required to design,

write, test and refine program code):

· C#

· Python 3

· VB.Net

IDE used throughout the course

(students are welcome to use other IDE

software, installed on to their own

machines):

· Visual Studio

· PyScripter

Find out by logging

into Unifrog and

going to

ICT Support club

- 8.00am and

1.00pm

(Monday-Friday)