Subject: Computing	SUMMER TERM 2024

Year: 10 GCSE (9-1) Computer Science (OCR J277)

Topic(s) to be covered :
This is a new course that will enable learners to develop computational thinking skills built on a sound base of conceptual learning and understanding. In the course of two years students will study 2 units:

- **Computer systems** (50%) – examination in Year 11
- **Computational thinking, algorithms, and programming** (50%) – examination in Year 11

Each term, different topics will be covered from each unit. Below is a brief break down for the summer term:

Computer systems:

- Ethical, Legal, Cultural and Environmental impacts of digital technology
- System Security

Computational thinking, algorithms and programming:
Logic and Language

- How to produce robust programs
- Programming techniques
- Testing
- Logic Diagrams

Assessment Procedures
On-going feedback from teacher is provided as well as self and peer assessment during theory lessons. At the end of each topic pupils are given a test and a grade relating to the course. They are guided to reflect on their marks and to identify areas for improvement, then to complete work to improve their skills and knowledge.

Homework guidance
Homework will be set at least once a fortnight. Details of individual homework can be found on Synergy.

How can you help?
Encourage your child to look through notes from class and extend on these by doing further research on the web as well as revise thoroughly for tests.