

AQA GCSE COMPUTER SCIENCE

Year 11 – Autumn Term

This term students will be going back over **ALL** topics from the specification in preparation for the mock exams in January:

- **Fundamentals of Algorithms**
- **Programming**
- **Fundamentals of Data Representation**
- **Computer Systems**
- **Fundamentals of Computer Networks**
- **Fundamentals of Cyber Security**
- **Ethical, Legal and Environmental Impacts of Digital Technology**

In addition, students will be given lesson time to complete the **Programming Project** set by the exam board. This requires them to produce a working solution to calculate the profit for an airline company from flying a plane from one of two UK airports to one of five worldwide destinations. Students are completing this project using the online programming site '**repl.it**'. This means that they can carry on working on their programs from home.

Recommended online resources:

- **Google Classroom**, where teaching and learning resources will be posted that will follow the planned scheme of learning, should lessons not be possible actually in school
- **BBC Bitesize**, select GCSE, then Computer Science, then AQA
- **Seneca Learning**, requires sign up (free for students), search for GCSE Computer Science AQA
- **YouTube**, search for 'craigndave gcse computer science aqa' or 'William Grey computer science'