



Edgbarrow School

Year 10

Computer Science



Curriculum Intent

The aim of IT and Computer Science is to develop young people who are digitally literate, resilient and have problem solving skills. Students will develop transferable skills to use across the curriculum, and in the wider world.

○ What am I studying this year?

Knowledge & Skills	Time of Year	Assessment	Homework
Secondary Storage	September	End of Unit Assessment	Setting up Python at home
Primary Storage (Memory)	October	Quiz	At KS4, homework can take various forms depending on the current unit of study. For instance, exam questions may be set to help develop exam technique; quizzes may be set to consolidate learning and identify common misconceptions; revision activities (e.g. SmartRevise) may be set to help consolidate learning or revise for assessments; On average one homework set per week in addition to completion of class notes where appropriate. Students should also complete dedicated revision independently throughout the course. Prior to each end of unit assessment, an additional revision homework will be set.
Units and Data Storage	November - December	End of Unit Assessment	
Ethical, legal, cultural and environmental impact	January	Jan/Feb Mock	
Programming fundamentals	December / January	Jan/Feb Mock	
Network Security	February / March / April	End of Unit Assessment	
Boolean Logic	April	Class test and June Mock	
Programming Fundamentals project work inc. arrays, files, and subroutines	April / May	Project work and assess in June Mock	
Ethical, legal, cultural and environmental impact with licencing	May / June	Assessed in June Mock	
Programming Fundamentals project work	June	Independent work in lessons while Mocks are on	
Programming Languages and IDE	June - July	Class test and September baseline	

○ When and how will I be assessed?

Students will submit work through Google Classroom throughout the year and feedback will be given both verbally and through private comments on Google Classroom to the students.

End of unit assessments will take place upon completion of each unit of study. These will take the form of exam style questions, with an additional multiple-choice section.

At the end of the year, students will complete a programming project to help them consolidate their problem-solving & programming skills.

Revision Guide / Text Books

Students will be provided with a Zig Zag Revision Guide by the CS / ICT department free of charge.

We recognise that students may wish to purchase a textbook to support their learning outside of lessons. In this instance, we would recommend: OCR GCSE (9-1) J277 Computer Science. Published by PGOOnline.

Marking for Literacy

(Longer answers and written work will be marked for at least one of the below, your teachers will tell you which.)

Sp – Spelling mistake of key term

// - Needed new paragraph

C – Capital letter missing

P – Punctuation needed

Expr - Expression

Students will demonstrate pride in their work by:

- Take care of your book and work area. Including Sensible Folder Structure & File Names
- Title and date all work
- Write as neatly as you can in pen and make sure your electronic files are neat & readable.
- Update & improve any incorrect work.
- Upload all work to Google Classroom
- Diagrams, graphs, drawings should all be done in pencil or electronically.