



Edgbarrow School

Year 9

IT & 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 and how and when will I be assessed?

Knowledge & Skills	Time of Year	Assessment	Homework
Practical IT Skills & Computer Hardware Develop further functional IT skills to solve mini-problems for a given context. Develop understanding of key computer hardware.	Autumn Term 1	Part A will be multiple choice questions and Part B will be a written task	At KS3, homework will be set by way of a project during one half term this year. In addition, one week prior to an ITCS assessment, a homework assignment will be posted on ClassCharts as a reminder to revise for the upcoming assessment.
Visual Identity and Website Creation Understanding design styles and branding to create a visual identity and creating a website to match.	Autumn Term 1 & 2	Assessed as the unit progresses via multiple choice quiz, designs and final product	
Problem Solving and Python Programming Learn problem solving skills before learning to solve problems using Python, with a focus on Python Turtle. Python programming skills including sequencing, selection & iteration and debugging programs.	Spring Term 1	Part A will be multiple choice questions and Part B will be a practical task	
E-safety & Cyber Security Staying safe online and online security. Learn about malware and how to be protected online	Spring term 2	No formal assessment; assessed through quizzes within lessons	
AI/Machine Learning Develop a basic understanding of this topic through the use of examples in the real world and coded examples	Spring term 2	No formal assessment; assessed through quizzes within lessons	
Digital Impacts of Technology Consider the positive and negative impacts of technology on a range of stakeholders - environment, healthcare robots and Privacy	Summer Term 1	Part A will be multiple choice questions and Part B will be a written task	
Project A project to put into practice skills that have been learnt throughout the year, with a specific focus on either IT skills for future jobs or skills to prepare for studying IT or Computer Science at GCSE.	Summer Term 2	No formal assessment; feedback given as project is being completed in lessons.	

Students will also work on their iDEA award throughout the year, learn about e-safety & Cyber Security.

Students will be submitting work to Google Classroom throughout the year and feedback will be given both verbally and through comments on Google Classroom at appropriate times.

Enhancing IT & CS Skills & Knowledge

Students can also work on their iDEA award throughout the year. www.idea.org.uk The goal is for students to achieve their Bronze and Silver Awards by the end of Year 9. Students will also have lessons dedicated to careers research / information throughout their KS3 studies.

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.