



Edgbarrow School

Year 7

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
Functional Skills Using Business Applications, Email & the Cloud and e-Safety	Autumn Term	Part A will be multiple choice questions and Part B will be a practical task linked to skills learnt.	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.
Data Representation Learning Binary and how a computer stores data.	Spring Term 1	Multiple choice & written questions within the assessment.	
Flowcharts & Algorithms Learning how to create a flowchart and write algorithms	Spring Term 2	Multiple choice & written questions within the assessment.	
Programming Block Programming through sequencing, selection & iteration	Summer Term 1	Multiple Choice questions, written questions and a small practical task to create a program.	
Emerging Technology Using the internet to research technology, identify and plan a new product. Present solution to classmates.	Summer Term 2	Feedback will be provided as this unit is being completed.	

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

Over the course of the year, you need to revise the following to gain a secure understanding of the Y7 content:

- E-Safety & Research Skills
- EDU Blocks
- Flowcharts & Algorithms
- Data Representation

A more detailed list of the topics to revise will be on Google Classroom prior to the assessments.

You can also use these websites to help:

<https://www.bbc.co.uk/bitesize/subjects/zvc9q6f>

<https://teach-ict.com/index.html>

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.