



# 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 this year?

Knowledge & Skills	Time of Year	Assessment
<b>Algorithms, Problem Solving &amp; Computer Ethics</b> This topic will cover a range of computer science topic areas.	Autumn Term 1	w/c 18 <sup>th</sup> October - Multiple choice & written questions within the assessment.
<b>Website Theory, Design &amp; Creation</b> Designing and creating Websites and understanding the purpose of different types of websites.	Autumn Term 2 & Spring Term 1	w/c 22 <sup>nd</sup> November – Theory of websites Multiple choice assessment.  w/c 7 <sup>th</sup> February – User feedback & evaluation of work assessment.
<b>Cyber Security</b> Learning key Cyber Security risks & prevention	Spring Term 2	Assessed within Python Programming unit & End of Year Assessment
<b>Python Programming</b> Python programming skills including sequencing, selection & iteration and debugging programs.	Spring Term 2	w/c 25 <sup>th</sup> April- Multiple choice questions with a practical task linked to skills learnt.
<b>Project</b> 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	This will be assessed through the project completed in lessons.

Students will also work on their iDEA award throughout the year, learn about e-safety & Cyber Security and will look at careers within IT & Computer Science.

#### When and how will I be assessed?

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

To access google classroom please refer to the **Google Classroom Guide**. Students will be assessed at the end of each topic.

#### Year 9 Assessment Fortnight: w/c 23<sup>rd</sup> May

This will be an End of KS3 assessment and will cover topics that students have completed throughout KS3 in IT & Computer Science. Students will be given revision lessons prior to this assessment & a more detailed list of the topics to revise will be on Google Classroom prior to all assessments.

#### 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.