

Year 8 Computer Science Curriculum Overview

Databases	Flowcharts and binary	Networks	Web design	Animation
Understand what is meant by a database	Draw flowcharts to solve problems	Know what is meant by a network.	Learn basic HTML tags	Create a storyboard for an animation
Create a data collection form	Recognise and draw flowchart symbols	Describe risks to networks	Plan their own webpages	Practise animation skills
Create a form using MSAccess	Use sequencing, selection and iteration in the design of flow charts	Describe how computers are used all around the home.	Create webpage using HTML	Create an animation that has been planned
Plan queries	Convert between binary and denary.	Know what is meant by an embedded computer	Review and evaluate web pages	Evaluate their animation
Create queries	Perform addition in binary	Know what is meant by RFID		
Plan and create complex queries		Know what bar codes are used for and what they may store.		
Create reports from tables and queries	Environmental issues in computing	Know what QR codes are and their applications		
	Understand the impact of computing on the environment.	Understand what is meant by encryption and some basic methods of encrypting data		
		Learn how the internet works and the keywords relating to internet.		
		Learn about network hardware and it's purposes.		