



Year 8 Computing Examination



The Computing exam will be a written paper sat in the exam hall.

The exam will last 45 minutes

The exam will contain a variety of questions from multiple choice to questions that need a short free write paragraph

For free write questions look at the marks available to guide you how much to write, one mark = 1 piece of information or explanation or example

The final question will be to produce a fact sheet and will gain merits; you should bring coloured pencils to improve the presentation of this task.

The following is a list of material to be tested and suggested revision activities:

A good way to memorise definitions and explanations is to produce flash cards:

1. Write the term on one side of the card
2. Write the definition or explanation on the other
3. Go through each card one by one and test yourself by writing out what you expect to see on the other side.:
 - a. Start by having the definition or explanation side up and write the term you are expecting to see on the other side.
 - b. Flip the cards and keep working through, this time writing the definition or explanation you are expecting to see for the term that is showing.
4. You can also get a friend or family member to help test you.

Year 8 Trial Exam Revision Activities

	Material To Revise	Revision Activity	Resource to help with revision	Revised? ☒
Presenting Information: Spreadsheets	Terminology	Ensure you know what Rows, Columns, Cells and Cell References, Data, Formulas and Labels are	Knowledge organiser How spreadsheets work - Spreadsheets - KS3 ICT Revision - BBC Bitesize	
	Use formula to perform simple calculations using the data on a spreadsheet	Ensure you can construct simple formula using +, -, / and *	Knowledge organiser Formulas and functions - Spreadsheets - KS3 ICT Revision - BBC Bitesize Adding formulas and functions - Spreadsheets - KS3 ICT Revision - BBC Bitesize	



Year 8 Computing Examination



	Material To Revise	Revision Activity	Resource to help with revision	Revised? ☒
	Use functions to analyse the data on the spreadsheet and identify key information.	- Ensure you can identify when Sum, Average, Max, Min and Count functions are employed. - Ensure you can construct Sum, Average, Max, Min and Count functions	Knowledge organiser Formulas and functions - Spreadsheets - KS3 ICT Revision - BBC Bitesize Adding formulas and functions - Spreadsheets - KS3 ICT Revision - BBC Bitesize	
	Graphs	Ensure you know why data is presented in graphs	Knowledge organiser Charts and graphs - Spreadsheets - KS3 ICT Revision - BBC Bitesize	
Securing Information	Data and information	Ensure you can define Data and Information and explain the difference between them	Knowledge organiser	
	Cybersecurity: Malware	Ensure you can define Malware and give examples Ensure you can explain the role of antimalware software and the need to keep it updated	Knowledge organiser	
	Cybersecurity: Hacking	Ensure you can define Hacking, Ethical Hacking and Penetration Testing Ensure you can explain the role of penetration testing in keeping a system secure	Knowledge organiser	
	Cybersecurity: Threats	Ensure you can name and define the main cyberattacks and explain the difference between them	Knowledge organiser	
	Cybersecurity: Protection	Ensure you can name and define the main protections from cyberattacks employed to protect computer systems	Knowledge organiser	
Data Representation: Binary	Binary	Ensure you can: - Define what binary is - Explain why we use binary in Computer Science - State the binary groupings - State the relationship between each binary grouping and the next largest one - State/calculate how many outcomes can be generated with a given number of bits	Knowledge organiser	



Year 8 Computing Examination



	Binary to denary conversion	Be able to convert binary numbers of up to 8 bits into the equivalent denary number	Knowledge organiser Convert some 4, 6, and 8 bit binary numbers you have made up to denary and then check you are correct using Binary to Decimal Converter	
	Material To Revise	Revision Activity	Resource to help with revision	Revised? ☒
	Denary to binary conversion	Be able to convert denary numbers up to 255 into the equivalent binary number	Knowledge organiser Convert some Denary numbers less than 256 you have made up to binary and then check you are correct using Binary to Decimal Converter	