

Computer Science

Year 7 EOYE Revision Guide

Online resources:

- BBC Bitesize: <http://www.bbc.co.uk/education/subjects/zvc9q6f>,
<http://www.bbc.co.uk/education/subjects/z8mtsbk>
- Teach-ICT: <http://teach-ict.com/>

Topic	Content
<i>E-Safety</i>	<ul style="list-style-type: none">▪ What is e-safety?▪ Know about safe practice when using the Internet and how to report concerns▪ Know that personal responsibilities extend to online activities.▪ Know how to stay safe when using online systems and social media▪ Understand the consequences of inappropriate actions when using online systems and social media▪ Know the technologies/electronic media involved with in cyber-crime/offences▪ State examples of over-sharing and the consequences of oversharing online systems and social media▪ Understand what is meant by “Digital Footprint”▪ Demonstrate good digital citizenship and know how to stay safe online▪ Explain how one’s digital footprint can impact him/her in the future▪ State and explain the laws that are related to e-safety▪ Know how to recognise and avoid cyber crime▪ Understand procedures regarding cyber bullying
<i>World Wide Web/Reliability of Information</i>	<ul style="list-style-type: none">▪ Understand the main features of the World Wide Web (www)▪ Understand URLs▪ Determine whether data is reliable, bias, fact or opinion.▪ State the factors that determine whether information is reliable or not.▪ Understand copyright and plagiarism issues▪ Understand how to avoid copyright and plagiarism issues
<i>Presentations</i>	<ul style="list-style-type: none">▪ Describe the purpose of presentations.▪ Describe the features of a good and bad presentation.▪ State the features that could be used to enhance a presentation.▪ State the ways in which a presentation could be used.
<i>Computer Hardware Devices</i>	<ul style="list-style-type: none">▪ What is computer hardware?▪ State the function/use of: Input/Output/Storage Devices.▪ Give examples of: Input/Output/Storage Devices.▪ Differentiate between INPUT/OUTPUT and INPUT/OUTPUT Devices.▪ Give examples of: INPUT/OUTPUT▪ Differentiate between Storage devices and Storage Medium
<i>Computer Systems</i>	<ul style="list-style-type: none">▪ Explain what a computer system is.▪ Describe the components that make up computer systems.▪ Draw the Information processing cycle (IPC)
<i>Introduction to Binary</i>	<ul style="list-style-type: none">▪ Explain how computers see the world▪ Explain what is binary▪ Know the difference between the Denary and Binary number systems▪ Convert a BINARY number to a DENARY number▪ Convert a DENARY number to a BINARY number
<i>Software</i>	<ul style="list-style-type: none">▪ Explain what software is.▪ Explain the difference between hardware and software.▪ State the 2 main types of software (systems and application programs)▪ Give examples of each type of software.▪ Explain the difference between the 2 types of software.