





Computer Science KS3

KEY  Cyber security  Computer Systems  Ethical, legal and environmental impacts  Programming

YR7

Y7 UNIT 1

Getting Started

How do I demonstrate file management?

How do I explain safe practices when accessing the school network?

How do I ensure my internet research is reliable?

Y7 UNIT 2



Introducing Spreadsheets

What is a spreadsheet used for?

How does basic formulae manipulate data?

How do I demonstrate conditional formatting?

How do I create graphs and charts to represent different types of information?

Y7 UNIT 3



Computing: Past, Present & Future

Can I explain how computing has changed from the past to the present and the future?

What must I consider when I am presenting knowledge using word processing, desk top publishing and presentation software?

How can I demonstrate appropriate formatting in my documents?

How do I select proofreading software tools so that my spelling and grammar has been checked?

Y7 UNIT 4



Programming in Python

Can I explain how to sequence using Python programming?

What must I identify when working in Python to solve specific problems?

How do I explain basic programming constructs in Python?

How do I demonstrate programming constructs to show efficiency?

Y7 UNIT 5



Internet Safety

Do I have an awareness of Internet safety and cyber security?

How do I demonstrate safe practices when using the Internet?

How do I regulate my own digital footprint?

How do I keep myself safe online?

YR8/9

Y8/9 UNIT 1



Advanced Spreadsheets

Am I confident to use spreadsheets to model data?

How do I demonstrate a range of advanced functions within spreadsheets?

How does the use of validation within spreadsheets minimize errors?

How do I develop and use macros to automate aspects of spreadsheets?

Y8/9 UNIT 2



Computing Components

What must I know about the main computer peripherals and their uses?

How do I explain how computer performance is measured?

How do I explain the difference between storage devices and storage media?

How do I explain what is meant by the 'Internet of Things'?

Y8/9 UNIT 3



Programming in Python: Selection

How do I use selection to make a decision when programming in Python?

How do I demonstrate the input of variables?

How do I select and implement if-else and elif when programming with Python?

How do I identify when the use of multiple elif statements is required in Python?

Y8/9 UNIT 4



Sound and Editing

Am I confident to edit sound and video?

How do I demonstrate how to record and edit audio files?

How do I develop and edit videos?

How do I combine video and audio?

KS4