

Year 7

Term1: E-safety

<http://www.bbc.co.uk/education/guides/zrtrd2p/revision>

<http://www.bbc.co.uk/education/guides/z6kj6sg/revision>

<http://www.bbc.co.uk/education/guides/z9nk87h/revision>

Term 2: Maths in computing

<http://www.bbc.co.uk/education/topics/zxnfr82>

<http://www.bbc.co.uk/education/guides/zwsbwmn/revision>

<http://www.bbc.co.uk/education/guides/zjfgjxs/revision>

<http://www.bbc.co.uk/education/guides/zp73wmn/revision>

Term 3: Algorithms

<http://www.bbc.co.uk/education/guides/zwmbgk7/revision>

<http://www.bbc.co.uk/education/guides/z3bq7ty/revision>

<http://www.bbc.co.uk/education/guides/zsf8d2p/revision>

Term 4: Selection

<http://www.bbc.co.uk/education/guides/zwmbgk7/revision>

<http://www.bbc.co.uk/education/guides/zsf8d2p/revision>

<http://www.bbc.co.uk/education/guides/zy3q7ty/revision>

<http://www.bbc.co.uk/education/guides/z2p9kqt/revision>

Term 5: Python

Students need to follow the tutorial video, complete the task using Python using their own example and explain their process using screenshots.

Numbers in Python - <https://www.youtube.com/watch?v=Lbs7vmx3YwU>

Variables and inputs - <https://www.youtube.com/watch?v=YtX-Rmoea0M>

Built-in functions - <https://www.youtube.com/watch?v=GTpl5yq3bvk>

Save and run files - <https://www.youtube.com/watch?v=dw3jalj1ylw>

Using strings - <https://www.youtube.com/watch?v=xBDGux27Qrg>

<https://www.youtube.com/watch?v=fDoYwL90WUg>

Selection in Python - https://www.youtube.com/watch?v=-nJvt_7l-sk

<https://www.youtube.com/watch?v=1QfPTboc1Pw>

https://www.youtube.com/watch?v=YuVcBm_J2js

Term 6: EOY assessment Creative project

Year 8

Term1- Hardware

<http://www.bbc.co.uk/education/guides/zxb72hv/revision>

<http://www.bbc.co.uk/education/topics/zkq2pv4>

<http://www.bbc.co.uk/education/guides/zws8d2p/revision>

<http://www.bbc.co.uk/education/guides/zmb9mp3/revision>

Term2- Software

<http://www.bbc.co.uk/education/guides/zcxgr82/revision>

<http://www.bbc.co.uk/education/topics/z87mn39>

Term3-Maths

<http://www.bbc.co.uk/education/topics/zxnfr82>

<http://www.bbc.co.uk/education/guides/zwsbwmn/revision>

<http://www.bbc.co.uk/education/guides/zjfgjxs/revision>

<http://www.bbc.co.uk/education/guides/zp73wmn/revision>

Use Maths in computing booklet in folder. Revise from the pages highlighted in grey. Pages 2 – 27.

Term4-Algorithms

<http://www.bbc.co.uk/education/guides/zwmbgk7/revision>

<http://www.bbc.co.uk/education/guides/z3bq7ty/revision>

<http://www.bbc.co.uk/education/guides/zsf8d2p/revision>

Term5- Sequence and selection

<http://www.bbc.co.uk/education/guides/zwmbgk7/revision>

<http://www.bbc.co.uk/education/guides/zsf8d2p/revision>

<http://www.bbc.co.uk/education/guides/zy3q7ty/revision>

<http://www.bbc.co.uk/education/guides/z2p9kqt/revision>

Term6- Python

Students need to follow the tutorial video, complete the task using Python using their own example and explain their process using screenshots.

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Built-in functions - <https://www.youtube.com/watch?v=GTpl5yq3bvk>

Save and run files - <https://www.youtube.com/watch?v=dw3jalj1ylw>

Using strings - <https://www.youtube.com/watch?v=xBDGux27Qrg>

<https://www.youtube.com/watch?v=fDoYwL90WUg>

Selection in Python - https://www.youtube.com/watch?v=-nJvt_7l-sk

<https://www.youtube.com/watch?v=1QfPTboc1Pw>

https://www.youtube.com/watch?v=YuVcBm_J2js

Year 9

Hardware and software:

Types of software

Functions of the operating system

System utilities

Specialist devices

Application software

The user interface

Memory

Secondary Storage

Legal, Ethical and Environmental issues:

legal issues

environmental issues

ethical issues

open source and proprietary software

Problem solving, programming and representation of data:

Boolean Logic

Boolean operators

Arithmetic operations

Computational Thinking

Flow Diagrams

Binary/denary numbers

variables

sequence

Operators

Units of memory

Representing text with binary data

Representing sound with binary data

input, output and storage of data

Selection

Comments

Data structure and data compression

Representing images with binary data