The Westbourne Academy KS3 Computing Journey
Maximising Potential within Computing

STAR — SAFE · THOUGHTFUL · ACCOUNTABLE · RESPECTFUL

WESTBOURNE ACADEMY

Year 9

Features of Interactive Multimedia Products

Planning for a target audience

Year 9 Project

Exploring the Media Industry

Purposes of Interactive Multimedia Products

Interpreting a client brief

Investing in Digital Skills for life

GCSE Computer Science

Cambridge National

Creeatrive iMedia

Problem solving in Python

BEBRAS Challenge - Intermediate

Introduction to coding in Python

The true cost of a mobile phone

VIRTUAL SCHOOL – the future?

Program constructs in Python

Self-Driving Cars and the Ethical Dilemma

Data Protection & GDPR

9

Year 8

Add multimedia content in a website

How to tell whether the internet is telling you the truth

THE DANGERS OF THE INTERNET

Is the internet a dangerous place?

How are web sites created?

Create a website in a WYSIWYG

Data Modelling

Excel

Is it OK to copy images & download from the internet?

Copyright — point of view. exclusive rig... for protecting...

How to Make a WEBSITE PLAN

.HTML

Who was Hedy Lamarr?

Who was Charles Babbage?

Who was Alan Turing?

Plan your own website

What is HTML?

The Google Story

Google

Who was Katherine Johnson?

Who was George Boole?

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Year 7

Pseudocode
INPUT username
OUTPUT "Nice to meet you", username

Python 3   Scratch

Plan algorithms using pseudocode

Code a flashing message on a hand held

Code a hand held computer to be a compass

What is inside a computer?

Plan an algorithms using flowcharts

Plan algorithms using sequence, selection and looping

micro:bit

Code a hand held computer to take the temperature

What is a computer?

THE INTERNET IS PURE TRUTH — ARISTOTLE

How are characters, images & sound stored in binary?

BEBRAS Challenge Junior

Introduction to problem solving

Computing Base Test

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Counting in binary

Evaluate a program

Evaluation

forever / imagine / program / share

Introduction to coding in Scratch

What is Computational Thinking?