

Computing learning Journey

KS4

Pic axe

soldering project
traffic light control,
programming task

Animation

Youth wing members
database (access)
Data capture form
Data entry form
Validation/verification
Switchboard

Numeracy

CAD

Use Solidworks to
create a multi part
object and mate the
parts to create a
complex assembly.

Numeracy

Web design

4 page linked linked site,
internal ext links,

Y9

SYSTEM INTEGRATION

**applications to find
solutions** (access-word)
mail merging /database
badges-event management
music festival **Literacy**

Python, bits bytes , binary

Binary to base 10, hex
understand and convert
Transistors and how they
function

Logic gates
Numeracy

Y8

DATA USE/MISUSE

validity and bias
(publisher folded
leaflet). EPOS loyalty
cards. data protection
act. Misuse act

Citizenship

RRS article 16, 17

Computer Games

Developing Computer
Games
Gamemaker
AppInventor

CAD

Use Solidworks to create a
multi part object and mate
the parts to create a
complex assembly.

Numeracy

E-SAFETY

Information and
presentation.
Create a Leaflet about
the latest E-Safety
Issues.

(Powerpoint)
Literacy, Citizenship

Game maker

First game
Scrolling shooter
game

Microbit programming

iterative, sequential
and selective
Microbit.org
literacy key words

E-SAFETY

Information and presentation.
Create a Presentation about the
latest E-Safety Issues.
(Powerpoint)

Literacy, Citizenship
RRS 34

DATABASE

Designing structure, capturing
and presenting data
Access / sweetshop project
(Access)

And , OR queries
[Stock level]<reorder level
Numeracy, RRS 16

Y7

MODELLING

Rules and investigations
(Excel, Word)
Smarties project spreadsheet.
Spreadsheet format, Formulase
, Simple Functions (SUM,
AVE), Graphs.
Numeracy

CONTROL

Input, process and output
Microbits
Understand programming and
control (including Traffic
lights)
Numeracy

WEBDESIGN

Processing text and images.
Using informationYr7 trip
students will create a website -
video evaluation will be used.
Literacy, Citizenship

CAD

Computer Aided Design
Project to create simple
shapes for manufacture.
(SolidWorks)
Numeracy