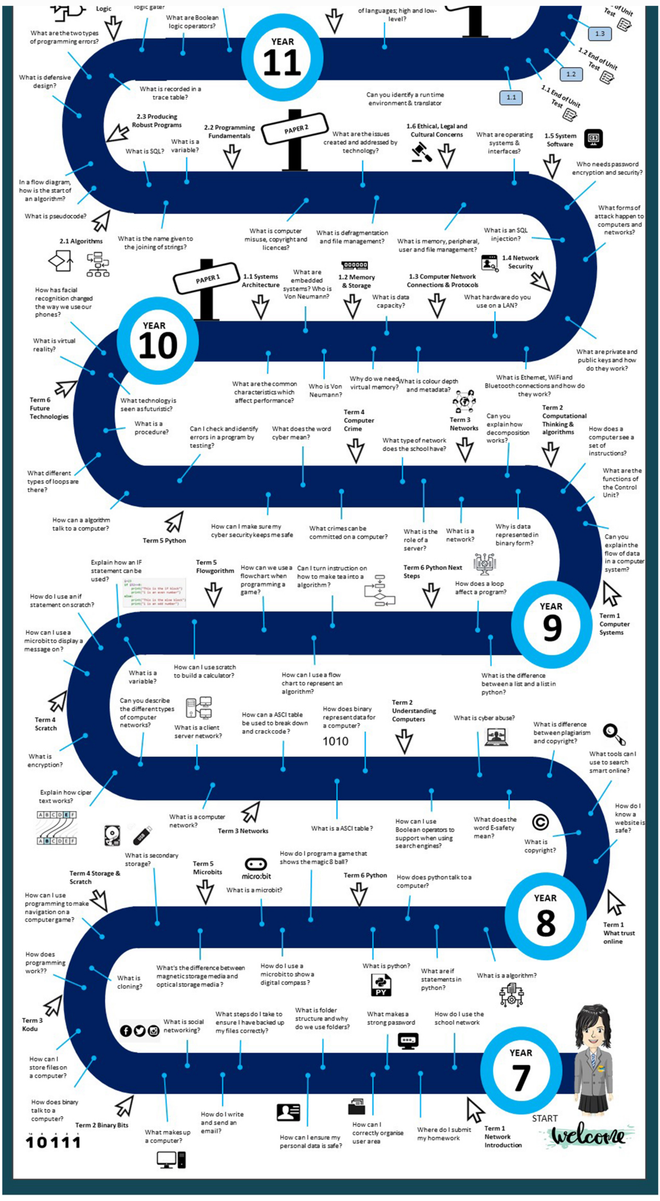
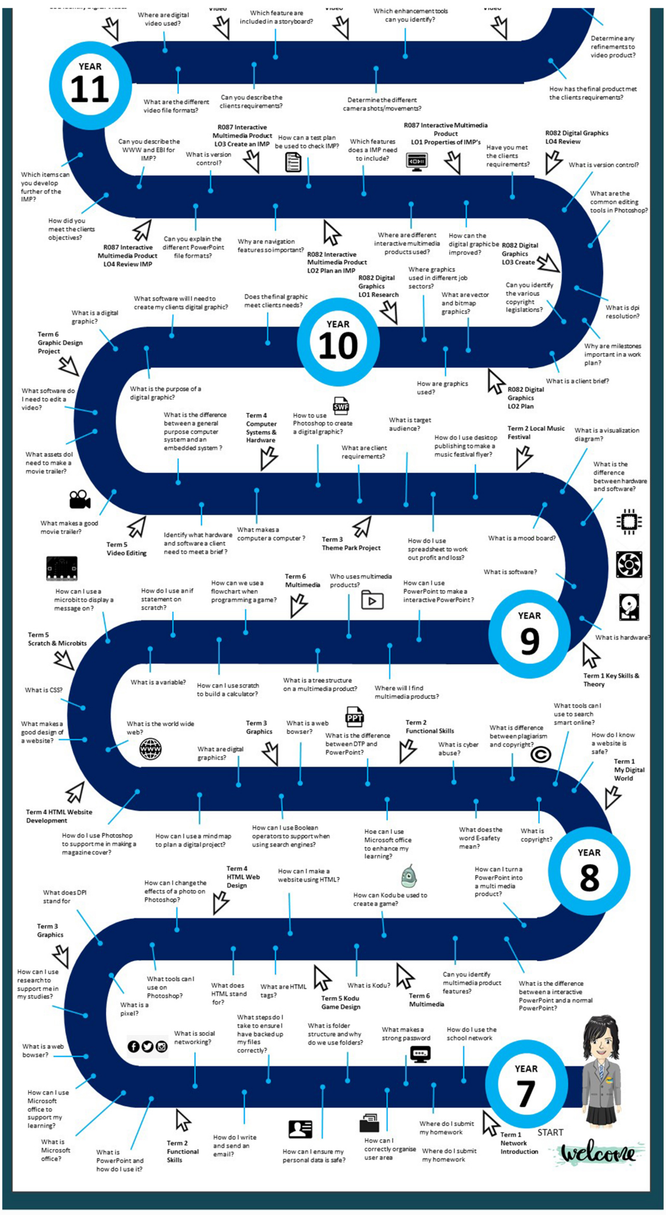

YEAR 11
Logic
logic gates
What are Boolean logic operators?
of languages; high and low-level?
1.3
1.2 End of Unit Test
1.2
1.1 End of Unit Test
1.1
What are the two types of programming errors?
What is defensive design?
What is recorded in a trace table?
Can you identify a run time environment & translator
2.3 Producing Robust Programs
What is SQL?
What is a variable?
2.2 Programming Fundamentals
PAPER 2
What are the issues created and addressed by technology?
1.6 Ethical, Legal and Cultural Concerns
What are operating systems & interfaces?
1.5 System Software
Who needs password encryption and security?
In a flow diagram, how is the start of an algorithm?
What is pseudocode?
What is the name given to the joining of strings?
What is computer misuse, copyright and licences?
What is defragmentation and file management?
What is memory, peripheral, user and file management?
What is an SQL injection?
What forms of attack happen to computers and networks?
2.1 Algorithms
PAPER 1
1.1 Systems Architecture
What are embedded systems? Who is Von Neumann?
PAPER 2
1.2 Memory & Storage
What is data capacity?
1.3 Computer Network Connections & Protocols
What hardware do you use on a LAN?
1.4 Network Security
How has facial recognition changed the way we use our phones?
What is virtual reality?
YEAR 10
What are private and public keys and how do they work?
What are the common characteristics which affect performance?
Who is Von Neumann?
Why do we need virtual memory?
What is colour depth and metadata?
What is Ethernet, WiFi and Bluetooth connections and how do they work?
Term 6 Future Technologies
What technology is seen as futuristic?
What is a procedure?
Can I check and identify errors in a program by testing?
What does the word cyber mean?
Term 4 Computer Crime
What type of network does the school have?
Term 3 Networks
Can you explain how decomposition works?
Term 2 Computational Thinking & algorithms
How does a computer see a set of instructions?
What different types of loops are there?
How can a algorithm talk to a computer?
Term 5 Python
How can I make sure my cyber security keeps me safe
What crimes can be committed on a computer?
What is the role of a server?
What is a network?
Term 6 Python Next Steps
Why is data represented in binary form?
What are the functions of the Control Unit?
Can you explain the flow of data in a computer system?
Explain how an IF statement can be used?
Term 5 Flowgorithm
How can we use a flowchart when programming a game?
Can I turn instruction on how to make tea into a algorithm?
How does a loop affect a program?
How do I use an if statement on scratch?
YEAR 9
Term 1 Computer Systems
How can I use a microbit to display a message on?
What is a variable?
How can I use scratch to build a calculator?
How can I use a flow chart to represent an algorithm?
What is the difference between a list and a list in python?
Term 4 Scratch
Can you describe the different types of computer networks?
What is a client server network?
How can a ASCI table be used to break down and crack code?
How does binary represent data for a computer?
1010
Term 2 Understanding Computers
What is cyber abuse?
What is difference between plagiarism and copyright?
What tools can I use to search smart online?
What is encryption?
Explain how cipher text works?
What is a computer network?
Term 3 Networks
What is a ASCI table?
How can I use Boolean operators to support when using search engines?
What does the word E-safety mean?
How do I know a website is safe?
What is copyright?
What is secondary storage?
Term 5 Microbits
micro:bit
How do I program a game that shows the magic 8 ball?
Term 6 Python
How does python talk to a computer?
Term 4 Storage & Scratch
What is a microbit?
YEAR 8
Term 1 What trust online
How can I use programming to make navigation on a computer game?
How does programming work??
What is cloning?
What's the difference between magnetic storage media and optical storage media ?
How do I use a microbit to show a digital compass ?
What is python?
What are if statements in python?
What is a algorithm?
Term 3 Kodu
What is social networking?
What steps do I take to ensure I have backed up my files correctly?
What is folder structure and why do we use folders?
What makes a strong password
How do I use the school network
How can I store files on a computer?
How does binary talk to a computer?
Term 2 Binary Bits
10111
What makes up a computer?
How do I write and send an email?
How can I ensure my personal data is safe?
How can I correctly organise user area
Where do I submit my homework
YEAR 7
Term 1 Network Introduction
START
welcome


YEAR 11
Where are digital video used?
Which feature are included in a storyboard?
Which enhancement tools can you identify?
Determine any refinements to video product?
How has the final product met the clients requirements?
What are the different video file formats?
Can you describe the clients requirements?
Determine the different camera shots/movements?
Can you describe the WWW and EBI for IMP?
What is version control?
R087 Interactive Multimedia Product LO3 Create an IMP
How can a test plan be used to check IMP?
Which features does a IMP need to include?
R087 Interactive Multimedia Product LO1 Properties of IMP's
Have you met the clients requirements?
R082 Digital Graphics LO4 Review
What is version control?
Which items can you develop further of the IMP?
What are the common editing tools in Photoshop?
How did you meet the clients objectives?
R087 Interactive Multimedia Product LO4 Review IMP
Can you explain the different PowerPoint file formats?
Why are navigation features so important?
R082 Interactive Multimedia Product LO2 Plan an IMP
Where are different interactive multimedia products used?
How can the digital graphic be improved?
R082 Digital Graphics LO3 Create
Where graphics used in different job sectors?
What are vector and bitmap graphics?
Can you identify the various copyright legislations?
What is dpi resolution?
What is a digital graphic?
What software will I need to create my clients digital graphic?
Does the final graphic meet clients needs?
R082 Digital Graphics LO1 Research
YEAR 10
Term 6 Graphic Design Project
Why are milestones important in a work plan?
What is a client brief?
How are graphics used?
R082 Digital Graphics LO2 Plan
What software do I need to edit a video?
What is the purpose of a digital graphic?
What is the difference between a general purpose computer system and an embedded system ?
Term 4 Computer Systems & Hardware
How to use Photoshop to create a digital graphic?
What is target audience?
How do I use desktop publishing to make a music festival flyer?
Term 2 Local Music Festival
What is a visualization diagram?
What assets do I need to make a movie trailer?
What are client requirements?
What is the difference between hardware and software?
What makes a good movie trailer?
Term 5 Video Editing
Identify what hardware and software a client need to meet a brief ?
What makes a computer a computer ?
Term 3 Theme Park Project
How do I use spreadsheet to work out profit and loss?
What is a mood board?
What is software?
How can I use a microbit to display a message on?
How do I use an if statement on scratch?
How can we use a flowchart when programming a game?
Term 6 Multimedia
Who uses multimedia products?
How can I use PowerPoint to make a interactive PowerPoint?
YEAR 9
What is hardware?
Term 5 Scratch & Microbits
Term 1 Key Skills & Theory
What is a variable?
How can I use scratch to build a calculator?
What is a tree structure on a multimedia product?
Where will I find multimedia products?
What is CSS?
What tools can I use to search smart online?
What makes a good design of a website?
What is the world wide web?
Term 3 Graphics
What is a web bowser?
Term 2 Functional Skills
What is the difference between DTP and PowerPoint?
What is cyber abuse?
What is difference between plagiarism and copyright?
How do I know a website is safe?
What are digital graphics?
Term 1 My Digital World
Term 4 HTML Website Development
How do I use Photoshop to support me in making a magazine cover?
How can I use a mind map to plan a digital project?
How can I use Boolean operators to support when using search engines?
Hoe can I use Microsoft office to enhance my learning?
What does the word E-safety mean?
What is copyright?
YEAR 8
Term 4 HTML Web Design
How can I make a website using HTML?
How can I turn a PowerPoint into a multi media product?
How can I change the effects of a photo on Photoshop?
How can Kodu be used to create a game?
What does DPI stand for
Term 3 Graphics
How can I use research to support me in my studies?
What tools can I use on Photoshop?
What does HTML stand for?
What are HTML tags?
Term 5 Kodu Game Design
What is Kodu?
Term 6 Multimedia
Can you identify multimedia product features?
What is the difference between a interactive PowerPoint and a normal PowerPoint?
What is a pixel?
What steps do I take to ensure I have backed up my files correctly?
What is social networking?
What is folder structure and why do we use folders?
What makes a strong password
How do I use the school network
What is a web bowser?
How can I use Microsoft office to support my learning?
What is Microsoft office?
What is PowerPoint and how do I use it?
Term 2 Functional Skills
How do I write and send an email?
How can I ensure my personal data is safe?
How can I correctly organise user area
Where do I submit my homework
Where do I submit my homework
YEAR 7
Term 1 Network Introduction
START
welcome