Ivanhoe College
A Specialist Technology Academy

Computing

KNOWLEDGE ORGANISERS

Your knowledge organiser is designed to help you learn a range of knowledge and help you to be prepared for your lessons at Ivanhoe.

When using your Knowledge Organiser remember: **Look / cover / write / check / correct**

Question	FOLD V HERE	Answer
What is an *Algorithm*?		A **set of instructions** to complete a task.
Is a Computer *Program* a type of Algorithm?		**Yes.** A program is a set instructions for a Computer to follow.
What is a *Selection* in programming?		Selection is where a choice is made in your program code. This is done by using the **IF** command.
What is an *Iteration* in programming?		Iteration is where a loop is in your program code. This is could be done using a **WHILE, FOR, REPEAT** command.
What is a *variable* in programming?		A variable is a part of a computer program where you can **store** a piece of data, this piece of data can **change** as your program runs.
What is *debugging*?		This means to fix the mistakes/errors in your program code.
What are *inputs* and *outputs*?		Inputs allow you to **put in** data into the Computer. Outputs allow the computer to **put out** data to you.
What is a *web browser*?		A computer program that allows you to **browse the web**. Examples of web browsers are; Internet Explorer, Safari, Firefox and Edge.
What is a *search engine*?		A website that allows you to **search for webpages** that have the key words you searched for. Examples of search engines are; Google, Ask and Bing.
Is Google Chrome a search engine or a web browser?		Google Chrome is a **web browser** made by the company Google. *(Confusing as the main thing Google makes is a Search Engine called Google)*
What is the difference between the internet and the World Wide Web?		The internet is a technology that **allows computers to talk to each other all over the world**, you can use the internet for lots of things like emails. The World Wide Web are the **websites and webpages** you can access on the Internet from anywhere in the World.
What are *files* and *folders* on a PC?		A file is **one piece of work** stored on your computer (for example a Word Document) A folder is a way of **grouping files together**.
What is *Data*? What types are there?		Data is piece of text or number without any meaning. E.g. 300818 [This could mean anything]
What is *Information*?		Information is data with a meaning e.g. 30/08/18 is a date. [This is the data with a meaning]