

## Ovingham Middle School Subject Overview Year 5



Subject: ICT

Each column represents an approximate half term starting at 1 = September to October

	1	1.5	2	2.5	3	3.5
Topic	Admin	E-Safety	Programming	Programming	Graphic Design and software development	Intranets and the Internet
Areas of curriculum covered	Pupils learn how to use the school's ICT infrastructure; desktops, laptops and iPad. They learn how to save their work in their User area and how to copy files to and from the school's shared drive. Pupils will also learn how to find, open and use Microsoft office applications such as MS Word, PowerPoint and Publisher.	Pupils learn about e-safety; How to remain safe online, what information to share and who to share it with as well as methods of reporting online abuse and trolling. Pupils are taught how to remain safe when using ICT technology such as SMS messaging, forums, email, instant messaging, web browsing and personal online spaces.	Pupils are taught the basics of programming using the fantastic Scratch software. They learn core programming fundamentals such as variables, conditional statements, operators and basic computer intelligence by programming a range of simple computer games. Pupils will then begin to use this understanding to design a computer game of their own.	Pupils are taught the basics of programming using the fantastic Scratch software. They learn core programming fundamentals such as variables, conditional statements, operators and basic computer intelligence by programming a range of simple computer games. Pupils will then begin to use this understanding to design a computer game of their own.	Pupils will be taught how to use graphic design software and asked to produce packaging and promotional material for their game. Pupils will learn about the business of game production including, Alpha and beta game testing, costing and pricing. Pupils will learn the basics of Microsoft Excel in order to produce a costing and pricing spreadsheet for their game.	Pupils will learn about search engines; search queries, page ranking and search functions and filters. Pupils will also learn about LAN (local area networks) and WAN (Wireless area networks).

Please be aware that each class is unique and although the above planning will be followed as close as possible, at times, and with individual classes, we may deliver deeper, extended learning into a topic, move faster to another topic or go slower to make sure we have clarified learning.

If you are in any doubt or have any specific questions about this subject please contact the subject coordinator: Mr Kane