



Computing Curriculum Plan Overview

Year 7

Term	Topic	Learning	How can parents' best support
Autumn 1	Getting Organised and being safe	Be able to use a computer system safely and responsibly by working in an organised manner, saving files appropriately, being aware of online dangers and how to protect oneself. <ul style="list-style-type: none"> ● Logging on and saving files ● E - Safety ● Recording evidence ● Using Email 	Get involved with what the children may be doing online. Talk about possible online dangers. Watch news and talk about any appropriate news items. Access web pages such as Thinkuknow and discussing topics with your child. Attend E-safety sessions run by the school to have a better understanding of how the children use technology.
Assessment:			
Autumn 2	Digital Literacy	Be able to find, evaluate, utilize, share, and create content using information technologies and the Internet. <ul style="list-style-type: none"> ● Using a Chromebook. ● Different types of Information ● Efficient Searching ● Relevance / Bias / Opinion / Fact 	Watch the news and discuss how stories can be biased depending on who is relating the information. Go to a local library, look at fiction and nonfiction books and talk about the difference. When your child is doing homework and using the internet to find information, guide your child into verifying that the information is accurate by searching on more than one site.
Assessment:			
Spring 1	Computer Systems	Understand the hardware and software components that make up computer systems. Understand how they communicate with one another and with other systems. <ul style="list-style-type: none"> ● History of Computing ● What a computer system is. ● The components of a system ● Types of computer system ● Operating systems 	If you go into shops like Currys or PC world get your child to tell you what all the computer components do; think about whether they are input or output devices. Read the specification and compare the different models. Alternatively, look online and discuss various computer accessories.
Assessment:			
Spring 2	Writing and Following Instructions	<ul style="list-style-type: none"> ● Learn what an algorithm is. ● Decomposing a problem. ● Write step by step instructions for simple tasks. ● Use Flow charts to demonstrate a simple task. 	Help their child follow instructions, for example, a recipe, a lego kit, or a game. Encourage their child to write step by step instructions for a simple task such as making a cup of tea.
Assessment:			
Summer 1	INPUT – PROCESS - OUTPUT	<ul style="list-style-type: none"> ● Control ● Inputs and Outputs ● Sensors ● Flowal 	Look at and discuss various equipment around the home that use sensors to function. What is the input? What is the process and what is the output?
Assessment:			
Summer 2	Animation	Being able to manipulate and combine images to create an impression of movement. To use and understand technical language such as layer, frame, script, tweening, opacity and transparency.	Parents can download a free version of the software that we use at school, Hippani, so that the students can explore and experiment with the software.
Assessment:			