



Computing Curriculum Plan Overview

Year 8			
Term	Topic	Learning	How can parents' best support
Autumn 1	E-Safety Video Project	A refresher on E-Safety whilst learning how to plan a project. Use Windows Movie Maker to create a short video. Also learn how to evaluate a product you have created. Planning and evaluation skills are key to success at key stage 3 and key stage 4.	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 discuss 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	Using Images	Understanding how a digital image is constructed with pixels and how quality is measured by resolution. Being able to use found images in a responsible manner and conforming to copyright rules. Know how to edit an image without distortion. Google Search tools / Copyright basics / Google Drive / Image editing.	Encourage your child to log on to their google drive at home and show you how they can share work etc,. Let them tell you about what sort of work they have been doing. Look at images online or in magazines and talk about how they may have been edited. Look at old photos and compare the difference. Talk about who owns images online how can we use them legally.
Assessment:			
Spring 1	Graphic Design	Learning how to use a desktop publishing software to produce various documents. To be able to combine different elements to create a unique design, for example a logo. To be able to use tools that enable you to change layers and content of a document to suit an audience's needs.	Look at magazines and adverts pointing out the various aspects of the design. How do the advertisers try to attract us with design? Discuss use of colour and types of text. Is the text persuasive and easy to read? Ask what do they think of the design to develop constructive criticism. For example: We don't say it is rubbish! We say, "I don't like that design because.... " Junk mail and leaflets that come through the door are good examples to work with.
Assessment:			
Spring 2	Spreadsheet modelling	Formatting spreadsheets Formulas and functions Variables and rules Boolean Macros	If excel is available to you let your child show you the skills they have learned. Maybe set up a pocket money spreadsheet where they calculate how much they will have if they save for a certain length of time and calculate expenditure, too. Explore vocabulary of the unit.
Assessment:			
Summer 1	Logo Command Line Programming	Understand how all software is created using programming commands. Understand how programming underpins all modern technology in a developing world. Make strong links between mathematical language and writing programming code. Use pseudo English to write simple instructions.	There is an online version of Logo software that you can access. However, it is a slightly different scale and it can confuse them but Logo MSW is a free software package and can be downloaded from various sites. The students can then explore the software and experiment with it.
Assessment:			
Summer 2	Logo Command Line Programming	Codecombat Text based programming Use programming code to complete a series of puzzles. Variables Loops iF and Else iF.	There is an online version of Logo software that you can access. However, it is a slightly different scale and it can confuse them but Logo MSW is a free software package and can be downloaded from various sites. The students can then explore the software and experiment with it.
Assessment:			