

Year 1 - Computing Objectives

Information Technology – Word Processing

I can write a sentence (with support)

I can use two fingers to enter text

I can use the space bar

I can use the backspace delete key

I can use the shift key to put in a capital letter

I can use the enter key

I understand word wrap (that text will automatically move onto the next line)

Computer Science - Programming

I understand that programs execute by following clear instructions

I understand the fact that programs respond to inputs to do different things

I can combine start up and input events to create more advanced apps and programs

I can give precise instructions

Finding Things Out

I understand that information comes from a variety of sources

I understand that computers use icons to provide information and instructions

I can talk about websites I have been on.

Year 2 – Computing Objectives

Information Technology – Word Processing

I can enter short pieces of text and correct mistakes

I can develop basic editing skills eg shift key for upper case, question marks, spaces after punctuation

I can choose to use enter or word wrap depending on their type of writing

I can save, print and retrieve with help

I can use the mouse or arrow keys to insert words or sentences

Computer Science - Programming

I understand that programs respond to different sorts of inputs

I understand that the keyboard can be used to control objects on screen, not just by clicking them directly

I understand that one object can be used to control another object. e.g. writing code so clicking a button gives an instruction to make a lorry move

Finding Things Out

I can begin to explore a website by clicking on the arrows, menus and hyperlinks.

I understand that there are different types of questions which can be answered in different ways

Year 3 – Computing Objectives

Information Technology – Word Processing and Presentations

I can develop further basic drafting skills

I can insert words or sentences

I can align text left, right and centre.

I can change font, font size, style and colour.

I can copy and paste a picture into a document.

I can combine text and clip art.

I can save and retrieve work.

I can choose and then integrate elements (text, picture, graph) into a PowerPoint presentation.

I can create a title slide and choose a style.

Computer Science - Programming

I can make things happen in a sequence

I can create simple animations and simulations

I can code with 'if statements', which select different pieces of code to execute depending on what happens to other objects

Finding Things Out

I can type in a URL to find a website.

I can use a search engine to find a range of media, e.g. images, texts.

I am beginning to think of search terms to use linked with questions I wish to answer.

I can understand that the internet contains fact, fiction and opinions and begin to distinguish between them.

Year 4 - Computing Objectives

Information Technology – Word Processing and Presentations

I can delete, insert and replace text

I can improve presentation of a document by laying it out effectively

I can use cut and paste within applications to re-order text

I can combine text and graphics by pasting pictures into work

I can use a spellchecker

I can create a storyboard to prepare a presentation

I can create a presentation for a specific audience

I can choose and then integrate elements (text, picture, **sound, backgrounds**) into a PowerPoint presentation.

I can decide upon and use effective transitions.

Computer Science - Programming

I understand how computers use variables to count things and keep track of what is going on

I can create simple games which use a score variable.

I understand how computers use repetition and loops to do things over and over again (and again!).

Finding Things Out

I can purposefully navigate an internet page

I can type in a URL to find a website.

I can use a search engine to find a range of media, e.g. images, texts.

I can think of search terms to use linked with questions I wish to answer.

I can use the internet as a resource to support my work, and begin to understand plagiarism

I can understand that the internet contains fact, fiction and opinions and begin to distinguish between them.

Year 5 - Computing Objectives

Information Technology – Word Processing, Presentation and Data

I can format text appropriately for its purpose

I can use Word Art

I can cut and paste between applications e.g. to copy a picture from the Internet

I can work independently to create a multi slide presentation that includes speaker notes.

I can use transition and animation to improve the quality of the presentation.

I can include sounds and moving graphics in the slide.

I can present to a large group or class using the notes made.

I can choose information to put into a data table

I can design a questionnaire to collect information

I can make graphs from the calculations on my spreadsheet

Computer Science - Programming

I can use numbers to represent things such as how fast things are moving, and where they are

I can generate random numbers and how these can be used in simulations

Finding Things Out

I can make more complex searches on the internet e.g. use advance search functions in Google (quotations)

I understand that websites such as Wikipedia are made by users (linked to E-Safety)

I understand I need to use strategies to check the reliability of information (cross check with another source such as a book)

I can skim read and sift information

I understand that good online research involves processing the information (rather than copying) and interpreting it for others

I recognise issues of copyright and the importance of acknowledging sources

I know to contribute positively to online blogs, chat sites. forums

Year 6 - Computing Objectives

Information Technology – Word Processing, Presentation and Data

I can use various display features to communicate to an audience and presenting work effectively

I can cut and paste between applications

I can use Word Art

I can work independently to create a multi slide presentation that includes speaker notes.

I can use transition and animation to improve the quality of the presentation.

I can include sounds and moving graphics in the slide.

I can present to a large group or class using the notes made.

I know which formulas to use when I want to change my spreadsheet model

I can make graphs from the calculations on my spreadsheet

I can sort and filter information

I understand that changing the numerical data effects a calculation

Computer Science - Programming

I can use variables in more complex ways, and to manipulate inputs to create useful outputs

I understand about how computers use property values and parameters to store information about objects

Finding Things Out

I understand the importance of choosing key words to find information when using a search engine

I can make more complex searches on the internet e.g. use advance serach functions in Google (quotations)

I understand that websites such as Wikipedia are made by users (linked to E-Safety)

I understand I need to use strategies to check the reliability of information (cross check with another source such as a book)

I recognise that not all information on the internet is accurate or unbiased (advertising) and develop a range of strategies for identifying the origin of a website.

I understand the issues of plagiarism, copyright and data protection in relation to my work.

I recognise issues of copyright and the importance of acknowledging sources

I understand the potential risks of providing personal information including the distribution of images of myself and others in an increasing range of online technologies both within and outside school

I understand the importance of protecting personal information, including passwords, addresses and images and can use appropriate privacy settings.

I know that some adults may use the internet to make contact with children.