Westgate Primary School
Computing key knowledge Overview

YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Create, Manage and Manipulate Digital Content. Know what a keyboard and mouse are. Know important keys such as space bar, enter, delete, backspace. Know what the term typing means. Know what the terms, open file, close file, save file, log in and log out mean. Know that files/work can be saved and that the work can be reopened another time. Know that it is important to save a file with an accurate and appropriate name. Know what print means. Digital Research Know different ways of finding out information. Internet, books etc.	Create, Manage and Manipulate Digital Content. Know what text is and that the style, size and colour can be easily changed. Know what multimedia means. (Pictures, Videos etc). Know that files can be stored in folders and organised. Know the various different ways of capturing still and moving pictures. Know and name different ways to communicate ideas i.e. graphs, tables, text, sound, pictures. Digital Research Know that information can be found on the internet to answer specific questions or find specific facts.	Create, Manage and Manipulate Digital Content. Know what cut, copy and paste mean. Digital Research Know that information found as a result of a search can vary in relevance.	Create, Manage and Manipulate Digital Content. Recognise the features of good page design and multimedia presentations in a Power Point (PPT Autumn 2) Recognise and use key layout and design features, e.g., text boxes, columns and borders (PPT Autumn 2) Know what a spreadsheet is and recognise some of its functions. Know that planning is a vital part of the design process. (making a storyboard as part of planning in 2Animate Digital Research	Create, Manage and Manipulate Digital Content. Recognise the features of good design in different printed and electronic texts, (e.g. a poster, website, presentation). Recognise transitions and animations in presentations. Know the formula wizard can add a formula to a cell to automatically make a calculation in a spreadsheet. Digital Research Know that there are different search engines; some to search within sites, and some to search the wider Internet.	Create, Manage and Manipulate Digital Content. Understand the presentation and quality of digital work can be enhanced by importing images, video and sounds. Know how to use criteria to evaluate the quality of my own and others digital solutions, suggesting refinements. Digital Research Know that the accuracy and reliability of information can vary depending on the source.

Electronic Communication. Know that messages can be sent electronically. Know what an email is. Programming Know what the term algorithm means. Know what the term bug and debug means. Know what devices at home are controlled by commands.	Electronic Communication. Know that an email has to be sent to a unique email address. Know what a subject heading is and that is important that it is appropriate when sending an email. Programming Know what trial and error is and that is important when creating programs. (Code). Know what logical reasoning means. Know when a program needs debugging. (The program is not working and needs fixing).	Electronic Communication. Recognise the effect that content in their communications may have on others. List a range of ways the internet can be used to provide different methods of communication. Programming Know how to 'read' others' code and predict what will happen in a program. Know how to plan and write programs that accomplish specific goals.	Electronic Communication. Understand that some emails and other forms of electronic communications may be malicious or inappropriate and recognise when an attachment may be unsafe to open. Programming Understand what the terms sequence, repetition and selection mean and know how to use them in programs. Know that a specific error within a program can prevent it following the desired algorithm. Know how to read programs that contain several steps and predict the outcomes with increasing accuracy (4.5 Logo).	Electronic Communication. Know what cc and bcc facilities represent on an e-mail. Programming Know the meaning of the terms: sequence, repetition and selection.	Electronic Communication. Know the value of protecting my privacy and others online. Programming Know that important aspects of a programming task can be decomposed in a logical way and identify appropriate coding structures that would work. Know how to carefully plan before constructing digital content such as a text adventure game.