

## Computing - Detailed Overview

| Year 7                   | Autumn A   | Autumn B   | Spring C  | Spring D   | Summer A  | Summer B |
|--------------------------|--|--|---|--|---|----------|
| What Students Will Learn | <p><u>Communicating Info Using Text</u></p> <p>Students will:</p> <ul style="list-style-type: none"><li>• be introduced to the concepts that underpin computing lessons (Information, Communication, Technology)</li><li>• share information about themselves using a range of communication strategies (verbal, signing, symbols, demonstrating preferences)</li><li>• explore using the computer to collect and store information about themselves</li><li>• use Publisher to record information about themselves</li></ul>          | <p><u>Creating Pictures</u></p> <p>Students will:</p> <ul style="list-style-type: none"><li>• develop an understanding that creating pictures shares information about personal ideas</li><li>• interact with MS Paint to edit or copy images</li><li>• explore using tools within MS Paint to create images depicting own ideas</li><li>• use functions such as undo and save</li></ul> | <p><u>Introduction to Presentations</u></p> <p>Students will:</p> <ul style="list-style-type: none"><li>• explore PowerPoint presentations</li><li>• show an awareness of the benefits of using PowerPoint</li><li>• use PowerPoint to share information using various media (pics, words &amp; text)</li><li>• begin to consider presentation of information (exploring formatting techniques)</li></ul> | <p><u>Inputs, Process &amp; Outputs</u></p> <p>Students will:</p> <ul style="list-style-type: none"><li>• explore various technology (including sensory toys and everyday household technology)</li><li>• begin to understand that technology is controlled by the user</li><li>• communicate about technology that they regularly use (sharing preferences)</li><li>• identify inputs and outputs of technology</li></ul> | <p><u>E-Safety – What &amp; Where We Share</u></p> <p>Students will:</p> <ul style="list-style-type: none"><li>• develop an understanding of what e-safety means</li><li>• share experiences of using technology to communicate</li><li>• understand what personal information is</li><li>• suggest good practise when using social media around sharing personal information</li></ul> |          |
| Key Vocabulary           | Publisher, pictures, text, Word Art, toolbar, tabs, insert, copy, paste, open, save, server, drives, resize, edit, format, computing, inf, communication, technology.  | Paint, images, pictures, develop, create, tools, tabs, resize, undo, redo, flood fill, colour, open with, save as, jpg, computing, inf, comm, tech.  | PowerPoint, present, presentation, slide, pictures, text, sound, video, animations, transitions, toolbar, tabs, format, computing, inf, comm, tech.   | Input process, output, control, commands, instructions, cause, effect computing, inf, comm, tech.  | E-safety, safe, internet, world wide web, browser, private, public, social media, private messaging, computing, inf, comm, tech.  |          |
| Key Skills               | <ul style="list-style-type: none"><li>• Fine motor skills – use mouse to navigate screen and select or make selections using touch screen.</li><li>• Sorting – recognise the difference between 'types of information' and 'information topics'.</li><li>• Communication – respond to questions about self sharing info verbally/with symbols/VOCA and using MS Publisher software.</li><li>• Organisation – open new files, save documents which have been edited, locate and open saved files with support as appropriate.</li></ul> | <ul style="list-style-type: none"><li>• Creativity – exploring tools and their effects.</li><li>• Selection – choosing particular tools for specific purposes.</li><li>• Sequencing – building 'layers' on pictures (background then foreground).</li><li>• FMS – using various access methods to make marks.</li></ul>  | <ul style="list-style-type: none"><li>• Problem solving – consider ways a book can be shared more easily in a larger group.</li><li>• Comparing &amp; evaluating – PowerPoint purpose and appearance.</li><li>• Organisation – create, save &amp; use multimedia to create a talking book.</li></ul>  | <ul style="list-style-type: none"><li>• FMS – explore technology and make something happen.</li><li>• Identify familiar control tech and how it is used.</li><li>• Sequence events of using technology.</li><li>• Be able to give suggested commands to enable technology to work.</li></ul>   | <ul style="list-style-type: none"><li>• Communication – respond to q's about self &amp; experiences of social media.</li><li>• Sorting – info into personal and private.</li><li>• Turn taking – class discussions, class games re e-safety.</li><li>• Literacy – writing rules around using social media safely.</li></ul>   |          |

| Year<br>8                | Autumn A  | Autumn B | Spring C   | Spring D   | Summer A | Summer B   |
|--------------------------|---|----------|--|--|----------|--|
| What Students Will Learn | <u>Communicating Info with Numbers</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>• explore organising data to make information easier to read</li> <li>• record data using written methods</li> <li>• use technology to explore data display methods</li> <li>• understand that using technology allows changes to be made to data more easily</li> </ul> |          | <u>Capturing &amp; Editing Digital Images</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>• explore ways in which 'moments in time' have been recorded</li> <li>• compare technology used to capture images</li> <li>• transfer images to be shared with others</li> <li>• use software to enhance digital images (basic and advanced enhancements)</li> </ul> | <u>Electronic Communication</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>• explore methods used to share public/private info</li> <li>• compare sharing information via post and email</li> <li>• use an email account to read, send, sort, and reply to correspondence</li> <li>• identify the benefits of using email to communicate</li> </ul> |          | <u>An Intro to Binary</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>• explore methods we use to share information</li> <li>• understand that computers only use two digits to share information</li> <li>• develop an understanding of bits and bytes of information</li> <li>• apply binary principle in other areas (pictures and sounds)</li> </ul> |
| Key Vocabulary           | Excel, data, information, record, writing, numbers, accurate, charts, display, share, present, cell, more, less, save, compare, cells, edit, format.  |          | Photoshop, pictures, images, record, save, digital, camera, file, transfer, edit, change, software, hardware, server, open with, crop, cookie cutter, effects.   | Email, information, public, private, messages, text, pictures, attachment, files, compare, read, sort, send, delete, reply, spam, safe, trust.   |          | Binary, digits, numbers, letters, shapes, decimal, zero, one, computer, technology, bits, bytes, off, on.  |
| Key Skills               | <ul style="list-style-type: none"> <li>• Categorising - sort items on perceived and given criteria.</li> <li>• Comparing - methods used to share info.</li> <li>• Reasoning - why one method is better than another.</li> <li>• FMS - creating paper based chart, data entry, formatting charts.</li> </ul>   |          | <ul style="list-style-type: none"> <li>• Comparing - hardware and software used in editing pictures.</li> <li>• Following instructions - transferring images.</li> <li>• FMS - taking pictures, editing digital images.</li> <li>• Organising - timeline of technology/images.</li> <li>• Evaluating - own and others work.</li> </ul>   | <ul style="list-style-type: none"> <li>• Communication - differences between spoken/written, formal/informal.</li> <li>• Comparing - traditional and technological.</li> <li>• Sequencing - timeline of communication methods.</li> <li>• Critical thinking - decision making re: email to delete.</li> </ul>  |          | <ul style="list-style-type: none"> <li>• GMS - ball pool sorting.</li> <li>• Organising info - sorting types of info.</li> <li>• Ordering - binary number sequence.</li> <li>• Pattern recognition - binary art problems.</li> <li>• Team work - sorting large amounts of 'data'</li> <li>• Communication.</li> </ul>  |

| Year<br>9                | Autumn A  | Autumn B | Spring C  | Spring D  | Summer A | Summer B   |
|--------------------------|---|----------|---|---|----------|--|
| What Students Will Learn | <u>Writing for Different Audiences (Fact, Opinion, Bias)</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>• understand that newspapers use different types of information to communicate</li> <li>• explore word processing software and tools used to change the appearance of text</li> <li>• recognise true and false news reports</li> <li>• explore writing a fictional news report</li> </ul>  |          | <u>Introduction to Spreadsheets</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>• explore ways to complete calcs</li> <li>• understand the importance of organising data</li> <li>• store data</li> <li>• understand that technology can make calcs easier</li> </ul>   | <u>Introduction to Animation</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>• explore various types of animation</li> <li>• share preferences about animations</li> <li>• collaborate with others to create digital images</li> <li>• explore and choose sound files to add to an animation</li> </ul> |          | <u>Introduction to Programming</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>• understand what an algorithm is</li> <li>• write an algorithm for an everyday problem</li> <li>• record commands using different 'languages'</li> <li>• know when a program needs to be 'debugged'</li> </ul>   |
| Key Vocabulary           | Word processing, Microsoft Word, software, hardware, information, type, topic, newspapers, public, cut, paste, words, pictures, importance, highlight, organise, find, replace, spellcheck, save, format, fact, fiction, bias, opinion, Photoshop.  |          | Excel, numbers, cells, data, information, calculation, sum, equals, formula, code, save, edit.  | Animation, real, drawn computer generated, model, paint, small changes, moving quickly, create, capture, camera, edit, tools, time, save, picture, sound, mp3, Windows Movie Maker.   |          | Algorithm, problem, solution, language, command, control, controller, program, programmer, problem, debug, fix, instruction, outcome, flowchart.   |
| Key Skills               | <ul style="list-style-type: none"> <li>• Categorising - sorting newspaper samples depending on the type of information used.</li> <li>• Literacy - reading/interpreting information displayed in newspaper format.</li> <li>• Communication - sharing information (verbally/VOCA/using symbols) about newspaper articles.</li> <li>• FMS - using the keyboard and mouse to enter information.</li> <li>• Reflective - being able to assess the validity of information they've read.</li> </ul> |          | <ul style="list-style-type: none"> <li>• Sorting - grouping data items into text and numerical.</li> <li>• Numeracy - number recognition, completing simple calculations, using maths equipment.</li> <li>• Evaluating - methods of working with numbers.</li> <li>• Problem solve - address issues with calcs which may not work.</li> </ul> | <ul style="list-style-type: none"> <li>• Exploration - tolerate clips which may not be favourites.</li> <li>• Communication - preferences about clips.</li> <li>• Teamwork - working as a class to share ideas, acknowledging others' input.</li> <li>• Planning - identifying number of images/clips required.</li> </ul>  |          | <ul style="list-style-type: none"> <li>• Problem solving - identifying solutions (algorithms) to everyday issues.</li> <li>• Literacy - recording/writing solutions/algorithms.</li> <li>• Evaluating - review and amend algorithms.</li> <li>• Ordering - symbols or instructions of possible solutions.</li> </ul> |

| Year 9 (SFL)             | Autumn A   | Autumn B  | Spring C   | Spring D   | Summer A | Summer B |
|--------------------------|--|---|--|--|----------|----------|
| What Students Will Learn | <p><b><u>Writing for Different Audiences (Fact, Opinion, Bias)</u></b></p> <p><i>Students will:</i></p> <ul style="list-style-type: none"><li>• explore techniques used by newspapers to share information</li><li>• use a range of tools within word processing software to share written information</li><li>• understand that news reports are based on facts, however can be biased</li><li>• recognise the impact that sharing factually incorrect information can have</li></ul> | <p><b><u>Using Excel</u></b></p> <p><i>Students will:</i></p> <ul style="list-style-type: none"><li>• explore ways to complete calcs</li><li>• enter data accurately into Excel</li><li>• create formulas to complete calcs</li><li>• understand that using Excel allows data to be edited more easily</li></ul>        | <p><b><u>Introduction to Animation</u></b></p> <p><i>Students will:</i></p> <ul style="list-style-type: none"><li>• understand what an animation is</li><li>• recognise various types of animation</li><li>• create digital images for an animation</li><li>• use a range of software applications and media to create and export a finished animation</li></ul> | <p><b><u>Creating Algorithms</u></b></p> <p><i>Students will:</i></p> <ul style="list-style-type: none"><li>• understand what an algorithm is</li><li>• use flowcharts to show logic</li><li>• use the terms 'if' and 'else' when writing an algorithm</li><li>• debug a program</li></ul>   |          |          |
| Key Vocabulary           | Word processing, Microsoft Word, software, hardware, information, type, topic, newspapers, public, cut, paste, words, pictures, importance, highlight, organise, find, replace, spellcheck, save, format, fact, fiction, false, bias, opinion, Photoshop, distributing.  | Excel, numbers, cells, data, information, calculation, sum, equals, formula, code, save, edit, brackets, correct, edit.   | Animation, real, drawn computer generated, model, paint, small changes, moving quickly, create, capture, camera, edit, tools, time, save, export, picture, sound, mp3, Paint, Audacity, Windows Movie Maker.   | Algorithm, problem, solution, language, command, control, controller, program, programmer, problem, debug, fix, instruction, outcome, flowchart, logic, if, else, and.   |          |          |
| Key Skills               | <ul style="list-style-type: none"><li>• Categorising - selecting newspaper samples depending on the type of information used.</li><li>• Literacy - reading/interpreting information displayed in newspaper format, writing formally.</li><li>• Communication - sharing information (verbally/VOCA/using symbols/in writing) about newspaper articles.</li><li>• FMS - keyboard skills</li><li>• Reflective - being able to assess the validity of information they've read.</li></ul>  | <ul style="list-style-type: none"><li>• Sorting - grouping data items into text and numerical.</li><li>• Numeracy - number recognition, writing calcs, using maths equipment.</li><li>• Evaluating - methods of working with numbers.</li><li>• Problem solve - address issues with calcs which may not work.</li></ul> | <ul style="list-style-type: none"><li>• Comparing - animation techniques.</li><li>• Communication - suggest suitable clips.</li><li>• Planning - identifying number of images/clips required.</li><li>• FMS - using mouse or touch screen to create images.</li></ul>  | <ul style="list-style-type: none"><li>• Problem solving - identifying solutions (algorithms) to everyday issues.</li><li>• Literacy - writing solutions/algorithms.</li><li>• Evaluating - review and amend algorithms.</li><li>• Ordering - instructions of possible solutions.</li><li>• Logical thinking - apply if &amp; else appropriately.</li></ul> |          |          |

| Year 10                  | Autumn A  | Autumn B | Spring C   | Spring D  | Summer A | Summer B  |
|--------------------------|---|----------|--|---|----------|---|
| What Students Will Learn | <u>Exploring Formatting Techniques</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>recall tools within desktop publishing software</li> <li>developing an understanding of how colours, shapes and text share information by matching them to familiar signs and brand logos</li> <li>explore formatting tools and use them (with support as necessary) to display choices about colour schemes for a fictional company</li> <li>explore public and private information, developing an understanding of what needs to be shared on a business or ID card</li> </ul> |          | <u>Introduction to Programming</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>understand what an algorithm is</li> <li>write an algorithm for an everyday problem</li> <li>record commands using different 'languages'</li> <li>know when a program needs to be 'debugged'</li> </ul>   | <u>Visual Programming: Coding with BeeBots</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>understand that robots do not think for themselves but follow user commands</li> <li>explore giving simple commands to humans, floor turtles and machines</li> <li>recognise the result of given commands</li> <li>predict what will happen when a command is given</li> </ul> |          | <u>Handling Data</u><br><i>Students will:</i> <ul style="list-style-type: none"> <li>explore various forms of data</li> <li>sort data based on perceived and given attributes</li> <li>answer yes/no questions about data</li> <li>work collaboratively to create a branching database</li> </ul> |
| Key Vocabulary           | Publisher, pictures, text, Word Art, toolbar, tabs, insert, copy, paste, open, save, server, drives, resize, edit, format, brand, colour, colour picker, business card.   |          | Algorithm, problem, solution, language, command, control, controller, program, programmer, problem, debug, fix, instruction, outcome, flowchart.   | Scratch, program, floor robot, onscreen robot, sprite, instruction, command, measurement, amount, direction, debug, fix, predict, plan, practise, record, code, blocks, run.  |          | Database, data, information, attribute, sort, organise, binary, yes, no, branching database, pictures, text.  |
| Key Skills               | <ul style="list-style-type: none"> <li>Matching - colours, shapes and text styles to common logos.</li> <li>Exploring - colour schemes, recognising how colours project feelings.</li> <li>Ordering - info and details in a suitable format.</li> <li>Communication - sharing ideas and preferences.</li> </ul>   |          | <ul style="list-style-type: none"> <li>Problem solving - identifying solutions (algorithms) to everyday issues.</li> <li>Literacy - recording/writing solutions/algorithms.</li> <li>Evaluating - review and amend algorithms.</li> <li>Ordering - symbols or instructions of possible solutions.</li> </ul> | <ul style="list-style-type: none"> <li>Communication - giving and following verbal commands, using single words and a series of commands.</li> <li>Predicting - what might happen with given commands.</li> <li>Ordering - instructions to achieve a specific outcome.</li> <li>Problem solving - debugging instructions.</li> </ul>  |          | <ul style="list-style-type: none"> <li>Sorting - data into correct categories.</li> <li>Describe - attributes of data, assigning categories.</li> <li>Communication - answering and formulate yes/no questions.</li> <li>Team work - contribute to class database.</li> </ul>                     |

| Year 10 (SFL)            | Autumn A  | Autumn B   | Spring C   | Spring D  | Summer A | Summer B |
|--------------------------|---|--|--|---|----------|----------|
| What Students Will Learn | <p><b><u>Creating Business Print Media</u></b></p> <p><i>Students will:</i></p> <ul style="list-style-type: none"><li>• understand how colours, shapes and text share information by matching them to familiar signs and brand logos</li><li>• use standard formatting tools appropriately</li><li>• explore advanced colour formatting tools to create a whole document colour scheme</li><li>• design a print media package for a fictional company</li></ul> | <p><b><u>Creating Algorithms</u></b></p> <p><i>Students will:</i></p> <ul style="list-style-type: none"><li>• understand what an algorithm is</li><li>• use flowcharts to show logic</li><li>• use the terms 'if' and 'else' when writing an algorithm</li><li>• debug a program</li></ul>   | <p><b><u>Programming: Block &amp; Java Script</u></b></p> <p><i>Students will:</i></p> <ul style="list-style-type: none"><li>• Understand that coding is used daily around, being able to identify everyday items that have been 'coded'</li><li>• use blocks of code to achieve a given outcome</li><li>• understand blocks of code have detailed code 'behind' them</li><li>• make predictions and debug programs to achieve a given outcome</li></ul> | <p><b><u>Data Query Techniques</u></b></p> <p><i>Students will:</i></p> <ul style="list-style-type: none"><li>• identify and collect various data types</li><li>• develop understanding of data attributes</li><li>• create yes/no q's to organise data/create branching database</li><li>• query data by sorting importing and comparing</li></ul> |          |          |
| Key Vocabulary           | Publisher, pictures, text, Word Art, toolbar, tabs, insert, copy, paste, open, save, server, drives, resize, edit, format, brand, colour scheme, colour picker, logo, business card, letterhead, template.  | Algorithm, problem, solution, language, command, control, controller, program, programmer, problem, debug, fix, instruction, outcome, flowchart, logic, if, else, and.   | Scratch, JavaScript, program, onscreen robot, sprite, instruction, command, measurement, amount, direction, debug, fix, predict, plan, practise, record, code, tabs, blocks, run, x and y coordinates, detail.   | Database, data, information, type, attribute, sort, organise, binary, yes, no, branching database, pictures, text, question, formulate.   |          |          |
| Key Skills               | <ul style="list-style-type: none"><li>• Creativity - identify and explore colour schemes.</li><li>• Design - explore and use shapes and formatting techniques to create a brand design.</li><li>• Evaluating - feedback constructively on own and other's designs.</li><li>• Literacy - sharing relevant information with text.</li></ul>   | <ul style="list-style-type: none"><li>• Problem solving - identifying solutions (algorithms) to everyday issues.</li><li>• Literacy - writing solutions/algorithms.</li><li>• Evaluating - review and amend algorithms.</li><li>• Ordering - instructions of possible solutions.</li><li>• Logical thinking - apply if &amp; else appropriately.</li></ul> | <ul style="list-style-type: none"><li>• Predict - what will happen when blocks of code are used.</li><li>• Problem solve - identify why programs haven't run as expected and make alterations as appropriate.</li><li>• Literacy - reading blocks of code.</li><li>• Organising - sorting blocks of code to achieve given outcome.</li></ul>   | <ul style="list-style-type: none"><li>• Sorting - data into correct categories.</li><li>• Describe - attributes of data, assigning categories.</li><li>• Communication - answering and formulate yes/no questions.</li><li>• Planning - to create branching database.</li></ul>   |          |          |

| Year 11                  | Autumn A  | Autumn B   | Spring C   | Spring D  | Summer A   | Summer B   |
|--------------------------|---|--|--|---|--|--|
| What Students Will Learn | <u><b>Sharing Information Using Technology</b></u><br><i>Students will:</i> <ul style="list-style-type: none"><li>• identify where images &amp; text are used in leaflets, recognising the information they are sharing</li><li>• work collaboratively to collect information from various sources (websites, image libraries, personal accounts)</li><li>• select suitable text and pictures to share specific information</li><li>• make and communicate choices about formatting options</li></ul> | <u><b>How a Computer Works</b></u><br><i>Students will:</i> <ul style="list-style-type: none"><li>• explore the use of various hardware to make something happen on screen</li><li>• name familiar hardware</li><li>• recognise the function of hardware</li><li>• exploring examples of networks, for example transport</li></ul> |  | <u><b>Capturing &amp; Editing Digital Photos</b></u><br><i>Students will:</i> <ul style="list-style-type: none"><li>• use technology with support to capture digital images</li><li>• compare software and identify advantages</li><li>• use basic tools to edit an image</li><li>• explore layering images to make a fictional image</li></ul> | <u><b>Communicating Info (Personal Statements)</b></u><br><i>Students will:</i> <ul style="list-style-type: none"><li>• share basic personal info about self, using speech/symbols/VOCA</li><li>• share preferences about learning</li><li>• add text and pictures to documents</li><li>• print and save documents</li></ul> |  |
|                          | Key Vocabulary  | Publisher, information, communicate, public, private, type, topic, pictures, text, map, numbers, times, prices, collect, save, organise, publish, print, leaflet, source, edit, format, icon, toolbar, highlight, select, font, emphasise.   | Hardware, software, switch, mouse, keyboard, screen, computer, speaker, headphones, printer, microphone, joystick, job, function, network. |   | Photoshop, pictures, images, record, save, digital, camera, file, transfer, edit, change, software, hardware, evaluate, server, open with, crop, cookie cutter, magnetic lasso, layers.  | Personal statement, about me, school life, words, pictures symbols, texts, favourite, enjoy, learn, achieve, lesson, insert, new page, save, print, share. |
| Key Skills               | <ul style="list-style-type: none"><li>• Research - collect images and text from various sources.</li><li>• Communication - share interests and preferences in larger and smaller groups.</li><li>• Organisation - plan and position text and pictures appropriately.</li><li>• Literacy - create short sentences to share information.</li></ul>  | <ul style="list-style-type: none"><li>• FMS/GMS - using a range of hardware appropriately.</li><li>• Literacy - reading hardware names, symbols/keywords.</li><li>• Communicating - about functions and use of hardware.</li><li>• Independence - setting up/using hardware correctly.</li></ul>                                   |  | <ul style="list-style-type: none"><li>• Comparing - software used to edit pictures.</li><li>• FMS - taking pictures, editing digital images.</li><li>• Evaluating - own and others work.</li><li>• Communication - requesting consent to take pics.</li></ul>   | <ul style="list-style-type: none"><li>• Communication - sharing info about self in large and small groups.</li><li>• Recording - using pics and words.</li><li>• Organise - text and pictures to share info.</li><li>• Review - previous info shared, ideas noted and edit where appropriate.</li></ul>                      |  |

| Year 11 (SFL)            | Autumn A   | Autumn B   | Spring C  | Spring D  | Summer A  | Summer B  |
|--------------------------|--|--|---|---|---|---|
| What Students Will Learn | <u>Producing an Information Leaflet</u><br><i>Students will:</i> <ul style="list-style-type: none"><li>• Recognise key information types used in leaflets and use these to relay information with others</li><li>• use various sources to collect information, recognising the reliability of these sources</li><li>• organise information, using subsections to clearly define different areas</li><li>• use formatting tools consistently within desktop publishing software</li></ul> |  | <u>Computer Systems</u><br><i>Students will:</i> <ul style="list-style-type: none"><li>• identify key hardware, be able to talk about its function, developing an understanding of how it interacts with other hardware</li><li>• understand how binary is used in a computer</li><li>• explore key internal components of a computer</li><li>• understand the term network and recognise everyday networks such as transport and communication</li></ul> |   | <u>Capturing &amp; Editing Digital Photos</u><br><i>Students will:</i> <ul style="list-style-type: none"><li>• use technology to capture digital images</li><li>• transfer and organise files using suitable filenames</li><li>• use advanced tools to edit and layer images</li><li>• print and export an images</li></ul>                         | <u>CV Writing</u><br><i>Students will:</i> <ul style="list-style-type: none"><li>• evaluate CVs &amp; identify good practise</li><li>• identify the best software to create a CV</li><li>• formally record info about their academic career using MS Word</li><li>• use basic formatting tools to highlight headings, etc</li></ul> |
|                          | Key Vocabulary   | Publisher, information, communicate, public, private, type, topic, pictures, text, map, numbers, times, prices, collect, save, organise, publish, print, leaflet, source, edit, format, icon, toolbar, highlight, select, font, emphasise, subsection, consistency, reliability, validity. |   | Hardware, software, operating system, binary, computer, motherboard, input unit, output unit, CPU, GPU, RAM, storage unit, memory, speed, writing, processing, network, wide area (WAN), local area (LAN), personal area (PAN). |   | Photoshop, pictures, images, record, save, optical, digital, camera, file, transfer, edit, change, software, hardware, evaluate, server, open with, crop, cookie cutter, magnetic lasso, layers, files, folders, rename.  |
| Key Skills               | <ul style="list-style-type: none"><li>• Research - search for, evaluate and collate images and text from various sources.</li><li>• Organisation - plan and position text and pictures appropriately.</li><li>• Literacy - use text (and longer sentences) to share more detailed info.</li><li>• Creativity - use format &amp; design tools to develop the design of the leaflet.</li></ul>   |  | <ul style="list-style-type: none"><li>• FMS - connecting and using hardware devices.</li><li>• Communicating - about functions and use of hardware.</li><li>• Problem solving - troubleshooting hardware not working as expected.</li><li>• Reflective - identify examples of own use of networks.</li></ul>  |   | <ul style="list-style-type: none"><li>• Comparing - software used to edit pictures.</li><li>• Following instructions - transferring images.</li><li>• FMS - taking pictures, editing digital images.</li><li>• Evaluating - own and others work.</li><li>• Communication - requesting consent.</li><li>• Life skills - awareness of GDPR.</li></ul> | <ul style="list-style-type: none"><li>• Evaluating - review others and own CV.</li><li>• Literacy - create sentences to share info about self.</li><li>• Communication - use appropriate formal language.</li><li>• Creativity - use formatting tools to ensure professional presentation.</li></ul>                                |