

## Early Years Foundation Stage

Pupils are taught to:

- Recognise a range of technology used in places such as home and school.
- Select and use technology for particular purposes.
- Use technology and the internet safely.

## The national curriculum for computing aims to ensure that all pupils:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- are responsible, competent, confident and creative users of information and communication technology.

## Key Stage 1

Pupils should be taught to:

- Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- Create and debug simple programs
- Use logical reasoning to predict the behaviour of simple programs
- Use technology purposefully to create, organise, store, manipulate and retrieve digital content
- Recognise common uses of information technology beyond school
- Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

## Key Stage 2

Pupils should be taught to:

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

	Nursery Computer User	Reception Computer User	Year 1 Computer User	Year 2 Computer User
	<p><b>Throughout the year, nursery children will have the opportunity to explore:</b></p> <ul style="list-style-type: none"> <li>• Cause and Effect Toys</li> <li>• Electrical Objects</li> <li>• Cameras</li> <li>• Remote Control Toys</li> <li>• Technological Toys</li> <li>• Technological Equipment</li> </ul> <p><b>Computer science</b></p> <ol style="list-style-type: none"> <li>1. Show skill in making toys work to achieve effects such as sound or movements.</li> <li>2. Press buttons on a floor robot to make it move.</li> </ol> <p><b>Digital Literacy</b></p> <ol style="list-style-type: none"> <li>3. Know that some technology is safe to use independently and some is not.</li> <li>4. Know safe adults to speak to, to ask for help.</li> </ol> <p><b>Information technology</b></p> <ol style="list-style-type: none"> <li>5. Draw attention to technology they see or use.</li> <li>6. Use a camera to take a photo.</li> </ol>	<p><b>Computer Science</b></p> <p><b>Floor Robots (Bee-Bots)</b></p> <ol style="list-style-type: none"> <li>1. Describe a route that is in progress.</li> <li>2. Purposefully use the buttons on a floor robot to make it move one step at a time.</li> <li>3. Know how to plan and input a program of 2 or 3 steps into a floor robot and then run the program to make it move.</li> <li>4. Know how to interpret simple instructions to predict the outcome.</li> </ol> <p><b>Digital Literacy</b></p> <p><b>Online Safety</b></p> <ol style="list-style-type: none"> <li>5. Know how to show kindness to others.</li> <li>6. Begin to be aware of the impact of a lot of screen time.</li> <li>7. Know what technology is safe to use independently and what is not.</li> <li>8. Know safe adults to speak to and the importance of asking adults for help.</li> <li>9. Know what to do if they are unhappy about something online.</li> </ol>	<p><b>Computer Science</b></p> <p><b>Coding and Lego Builders</b></p> <ol style="list-style-type: none"> <li>1. Know what instructions are and predict what might happen.</li> <li>2. Know how to plan and make a simple computer program e.g. fish moves right, crab moves up.</li> <li>3. Know what objects, actions and backgrounds are within a coding environment.</li> <li>4. Know what an event is and knows how to use an event to control an object.</li> <li>5. Begin to know how code executes when a program is run.</li> </ol> <p><b>Lego Builders</b></p> <ol style="list-style-type: none"> <li>6. Know the effects of completing tasks without complete instructions.</li> <li>7. Know how to follow and create simple instructions on the computer.</li> <li>8. Know that the order of instructions affects the end result.</li> </ol> <p><b>Bee-Bots</b></p> <ol style="list-style-type: none"> <li>9. Predict the outcome of a sequence involving up to 4 commands.</li> <li>10. Know how to plan and input a program into a floor robot, including different directions and 'turn'.</li> <li>11. Identify the order of commands in a sequence and experiment with reaching the same destination with different commands.</li> <li>12. Run a planned program and identify errors.</li> <li>13. Know how to identify solutions and debug a program.</li> </ol> <p><b>Digital literacy</b></p> <p><b>Introduction to Purple Mash</b></p> <ol style="list-style-type: none"> <li>14. Know how to use search to locate applications or resources on a platform such as Purple Mash.</li> <li>15. Know how to enhance work by adding items such as text and images.</li> <li>16. Know how to open, save and print work.</li> </ol> <p><b>Technology Outside School</b></p> <ol style="list-style-type: none"> <li>17. Know that throughout history, technology has made people's lives easier.</li> <li>18. Know that technology is used within school and outside of school and can give examples.</li> </ol> <p><b>Online Safety</b></p> <ol style="list-style-type: none"> <li>19. Know how to log in safely.</li> <li>20. Know how to navigate to a document area where saved work by child can be found.</li> <li>21. Know the importance of logging out of an account.</li> </ol>	<p><b>Computer Science</b></p> <p><b>Coding</b></p> <ol style="list-style-type: none"> <li>1. Know what an algorithm is and can explain that it is a set of instructions that follow a sequence.</li> <li>2. Know how to create a computer program, from a given design, using an algorithm.</li> <li>3. Know that collision detection is an event type in coding.</li> <li>4. Know how to design an algorithm that follows a timed sequence.</li> <li>5. Know that there are different events in coding and knows what some of these events are.</li> <li>6. Know the function of buttons in the coding environment.</li> <li>7. Know how to interpret and debug simple programs.</li> </ol> <p><b>Digital literacy</b></p> <p><b>Online Safety</b></p> <ol style="list-style-type: none"> <li>8. Know that digitally created work can be shared with others e.g. Purple Mash Display Boards.</li> <li>9. Has knowledge and understanding about sharing more globally on the Internet.</li> <li>10. Know that email is a type of communication tool.</li> <li>11. Know how to open and send simple online communications in the form of email.</li> <li>12. Know that there is an appropriate way to communicate with others in an online situation.</li> <li>13. Know that information put online leaves a digital footprint.</li> <li>14. Know some steps that can be taken to keep personal data and hardware secure.</li> </ol> <p><b>Effective Searching</b></p> <ol style="list-style-type: none"> <li>15. Know the meaning of key Internet and searching terms.</li> <li>16. Know the basic parts of a web search engine page.</li> <li>17. Know how to navigate a web search results page.</li> <li>18. Know how to search the Internet to some degree for answers to a quiz.</li> <li>19. Know the premise of what effective Internet searching is.</li> </ol>

	Nursery Computer User	Reception Computer User	Year 1 Computer User	Year 2 Computer User
Progression and Assessment Criteria		<p><b>Information technology</b> <b>Photography</b></p> <p>10. Know how to take photos using a device. 11. Know how to crop photos.</p> <p><b>Technology around us</b></p> <p>12. Know the technology used in the home. 13. Identify how technology is used outdoors.</p> <p><b>Interactive games (including drawing)</b> Know how to:</p> <p>14. Choose and open an app. 15. Play simple games. 16. Purposefully mark make on the screen. 17. Draw using a touch screen. 18. Erase parts of pictures.</p>	<p><b>Information technology</b> <b>Pictograms</b></p> <p>22. Know data can be represented in picture form e.g. pictogram. 23. Know how to contribute to a class pictogram. 24. Know how to use a software to record results into a pictogram format.</p> <p><b>Spreadsheets</b></p> <p>25. Know what a spreadsheet program environment looks like including cells, rows and columns. 26. Know how to enter data into spreadsheet cells. 27. Know how to add images to cells. 28. Know how to use some tools within spreadsheets e.g. lock cell, move cell and count.</p>	<p><b>Information technology</b> <b>Questioning and Databases</b></p> <p>23. Know that there are other data handling tools that can give more information than pictograms. 24. Know how to use yes/no questions to separate information. 25. Know how to use a binary tree database to answer questions. 26. Know how to use a database to answer more complex search questions.</p> <p><b>Presenting Ideas</b></p> <p>27. Know that digital content can be presented in many different forms e.g. stories. 28. Know that data can be structured in tables to make it useful for an audience. 29. Know how to add images such as clipart and photos to presentational software. 30. Know how to collect, organise and present data and information in digital format.</p> <p><b>Creating Pictures</b></p> <p>31. Know the purpose and benefits of painting software tools e.g. 2Paint a Picture. 32. Know how to reproduce the style of an artist e.g. William Morris by using repeating patterns, manipulating patterns and adding multiple effects in painting software.</p> <p><b>Spreadsheets</b></p> <p>33. Know how to use prior learning to perform composite task of e.g. creating a counting machine. 34. Know how to copy, cut and paste in spreadsheet software. 35. Know what totalling tools are and how to use them. 36. Know how to use a spreadsheet to perform calculations for purpose e.g. adding and totalling money. 37. Know how to use some tools within a spreadsheet to support calculations e.g. the equals tool. 38. Knows how to create a manual block graph within a spreadsheet from data.</p>

Vocabulary	Sound, movement, safe, directions	Route, instructions, technology, safe, unsafe, internet	<ul style="list-style-type: none"> <li>• Online Safety and Introduction to Purple Mash: Device, file name, login, log out, password, private, saving</li> <li>• Pictograms: data, pictogram</li> <li>• Lego Builders: algorithm, code, computer, debugging, program, sequence</li> <li>• Coding: algorithm, code, code blocks, command, debug, object</li> <li>• Spreadsheets: cell, data, spreadsheet</li> <li>• Tech outside school: computer, technology</li> </ul>	<ul style="list-style-type: none"> <li>• Coding: algorithm, bug, collision, command, debug, execute, object, run, sequence</li> <li>• Online safety: digital footprint, internet, personal/private information, search</li> <li>• Spreadsheets: cell, data</li> <li>• Questioning: data, database, information, sort</li> <li>• Searching: device, digital footprint, internet, network, search engine, web address/page/site, world wide web.</li> </ul>
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	Year 3 Computer User	Year 4 Computer User	Year 5 Computer User	Year 6 Computer User
	<p><b>Computer science</b></p> <p><b>Coding</b></p> <ol style="list-style-type: none"> <li>1. Know what a flowchart is and how to use a flowchart to create a computer program.</li> <li>2. Know that there are different types of timers used in coding environments and which timer should be used for a given purpose.</li> <li>3. Know what a repeat command is and how to use it.</li> <li>4. Know how to create a range of programs using coding knowledge.</li> <li>5. Know how to run, test and debug their own programs.</li> <li>6. Know what nesting is and that this should be considered when debugging.</li> <li>7. Know how to change attributes/properties of any objects in a program they have made.</li> </ol> <p><b>Pro-Bots</b></p> <ol style="list-style-type: none"> <li>10. Know how to plan and input a programme into a floor robot with increasing complexity e.g. multiples of a single command (forward 5).</li> <li>11. Create algorithms using a series of commands to follow a specified route e.g. draw a line, corner or N shape.</li> <li>12. Use the 'repeat' command to follow a specified route.</li> <li>13. Identify solutions to debug a program with increasing complexity.</li> </ol>	<p><b>Computer science</b></p> <p><b>Coding</b></p> <ol style="list-style-type: none"> <li>1. Begin to know what selection is in computer programming.</li> <li>2. Know how an IF statement works.</li> <li>3. Know how to interpret an IF statement and therefore know how to create a program that includes an IF statement.</li> <li>4. Know how to use co-ordinates in computer programming.</li> <li>5. Know what the 'repeat until' command is.</li> <li>6. Know how an IF/ELSE statement works.</li> <li>7. Know what a variable is in programming.</li> <li>8. Know how to use variables within their programs.</li> <li>9. Know how to create a playable game using a block coding environment.</li> </ol> <p><b>Pro-Bots</b></p> <ol style="list-style-type: none"> <li>10. Predict the outcome of a sequence with increasing complexity.</li> <li>11. Know how to plan and input a programme into a floor robot with increasing complexity e.g. the repeat function and angles.</li> <li>12. Create algorithms to follow a specified route e.g. draw regular polygons using 'repeat' and Logo to calculate angles.</li> <li>13. Identify solutions to debug a program with increasing complexity.</li> </ol>	<p><b>Computer science</b></p> <p><b>Coding</b></p> <ol style="list-style-type: none"> <li>1. Begin to know how to simplify code in order to make programming more efficient.</li> <li>2. Know how to create a simple simulation e.g. a traffic light sequence.</li> <li>3. Know what decomposition and abstraction are in computer science.</li> <li>4. Know the need to start coding at a basic level of abstraction to remove superfluous details from own programs.</li> <li>5. Know how to use decomposition to make a plan of a real-life situation.</li> <li>6. Know what a function is in coding and know how to use a function in own programs.</li> <li>7. Know what different variable types are.</li> <li>8. Know what strings are and how to use them.</li> <li>9. Know how to set and change variable values in code.</li> <li>10. Know and use concatenation in own programs.</li> </ol> <p><b>Micro:bits</b></p> <ol style="list-style-type: none"> <li>11. Understand the micro:bit is a tiny computer which needs instructions in code to make it work.</li> <li>12. Create instructions in code and transfer them to the micro:bit.</li> <li>13. Understand that animations create an illusion of movement by showing a sequence of still images and that sequence and timing is important.</li> <li>14. Code the micro:bit to show simple animations on its LED display output.</li> <li>15. Use loops to make animations run longer using fewer instructions.</li> <li>16. Understand that inputs and outputs involve the flow of data in and out of computers and apply this to the micro:bit.</li> </ol>	<p><b>Computer science</b></p> <p><b>Coding</b></p> <ol style="list-style-type: none"> <li>1. Know how to create a game with timers and a score.</li> <li>2. Know how to arrange code in multiple tabs.</li> <li>3. Know the different options of generating user input in a coding programme.</li> <li>4. Know how to attribute variables to user input.</li> <li>5. Know the need to code for all possibilities.</li> <li>6. Building on existing knowledge of debugging, know how to debug more effectively.</li> </ol> <p><b>Networks</b></p> <ol style="list-style-type: none"> <li>7. Know the difference between the World Wide Web and the Internet.</li> <li>8. Know what a WAN and LAN is and the key differences between them.</li> <li>9. Know how a school network accesses the Internet.</li> <li>10. Know the history of the Internet.</li> <li>11. Know some of the major changes in technology which have taken place in their lifetime.</li> </ol> <p><b>Text Adventures</b></p> <ol style="list-style-type: none"> <li>12. Know what a text based adventure and how to convert a simple story with 2 or 3 levels of decision making into a logical design.</li> <li>13. Know the difference between a map-based game and a sequential story-based game.</li> <li>14. Know how to use written plans to code a map based adventure</li> <li>15. Use computing knowledge to support coding and debugging a map-based adventure game e.g. using functions, two-way selection (IF/ELSE statements) and repetition.</li> </ol> <p><b>Utilising Micro:bits</b></p> <ol style="list-style-type: none"> <li>16. Create a program to run on a controllable device.</li> <li>17. Explain that selection can control the flow of a program.</li> <li>18. Update a variable with a user input.</li> <li>19. Use a conditional statement to compare a variable to a value.</li> <li>20. Design a project that uses inputs and outputs on a controllable device.</li> <li>21. Develop a program to use inputs and outputs on a controllable device.</li> <li>22. Evaluate the success of the program.</li> </ol>

	Year 3 Computer User	Year 4 Computer User	Year 5 Computer User	Year 6 Computer User
Progression and Assessment Criteria	<p><b>Digital literacy</b> <b>Online Safety</b></p> <p>14. Know what makes a safe password and how to keep it safe.</p> <p>15. Know the main outcomes of not keeping passwords safe.</p> <p>16. Know common ways the Internet enables people to effectively communicate.</p> <p>17. Know that some information held on websites may not be accurate or true.</p> <p>18. Begin to know how to search the Internet and how to think critically about the results returned.</p> <p>19. Know why there are age restrictions on digital media and devices.</p> <p>20. Know where to turn to for help if they see inappropriate content or have inappropriate contact from others.</p>	<p><b>Digital literacy</b> <b>Online Safety</b></p> <p>10. Know that information put online leaves a digital footprint or trail.</p> <p>11. Know some of the ways children can protect themselves from online identity theft.</p> <p>12. Know that information put online by users could be used for identity theft.</p> <p>13. Know the main risks and benefits of installing software and applications.</p> <p>14. Know that copying work of others and presenting it as their own is plagiarism (which has consequences).</p> <p>15. Knows appropriate behaviour when participating or contributing to collaborative online projects for learning.</p> <p>16. Know some of the main positive and negative influences technology has on health and the environment.</p> <p>17. Knows the importance of balancing screen time with non-screen time.</p>	<p><b>Digital literacy</b> <b>Online Safety</b></p> <p>17. Know the impact that sharing digital content can have with increasing complexity.</p> <p>18. Know how to think critically about information they share online.</p> <p>19. Know responsibilities they have for themselves and others regarding online behaviour.</p> <p>20. Develop knowledge of maintaining secure passwords.</p> <p>21. Know about image manipulation using software and the advantages or disadvantages of this when shared online.</p> <p>22. Know what is meant by appropriate and inappropriate text, photographs and videos.</p> <p>23. Know about the impact of sharing media such as photographs and videos online.</p> <p>24. Know about the importance of citing content online from others and know how to do this.</p> <p>25. Know how to select keywords and search techniques to find relevant information to increase reliability.</p>	<p><b>Digital literacy</b> <b>Blogging</b></p> <p>23. Know the purpose and features of successful blog writing, including how information is presented.</p> <p>24. Know how to plan and write a blog post and how to contribute to others' blogs.</p> <p>25. Know the importance of having an approval process when creating blog content or modifying it.</p> <p>26. Know from Online Safety knowledge that content within blogs applies e.g. know the issues surrounding inappropriate posts and cyberbullying.</p> <p><b>Online Safety</b></p> <p>27. Know the benefits and risks of mobile devices broadcasting the location of the user/device, e.g., apps accessing location.</p> <p>28. Know what secure sites are and that secure sites will have industry standard seals of approval.</p> <p>29. Build on knowledge of Digital Footprints e.g. know how and why people use their information.</p> <p>30. Build on knowledge of appropriate online behaviours and how this can protect themselves and others from possible online dangers e.g. the dangers of promoting inappropriate content online.</p> <p>31. Know the effects on individual health when having too much screen time and how to make more informed choices of how free time is used.</p>

	Year 3 Computer User	Year 4 Computer User	Year 5 Computer User	Year 6 Computer User
	<p><b>Information technology</b></p> <p><b>Spreadsheets</b></p> <p>21. Know how to create tables of data within a spreadsheet.</p> <p>22. Know how to use a spreadsheet program to create charts and graphs from data.</p> <p>23. Know how to use various features within a spreadsheet to support solutions to calculations e.g. 'more than', 'less than', and 'equals'.</p> <p>24. Know how to describe a cell location in a spreadsheet.</p> <p>25. Know how to find specified locations in a spreadsheet.</p> <p><b>Branching Databases</b></p> <p>26. Know how to sort objects using just YES/NO.</p> <p>27. Know how YES/NO questions are structured and answered.</p> <p>28. Know how to complete a branching database, including debugging.</p> <p>29. Know how to edit and adapt a branching database.</p> <p><b>Email</b></p> <p>30. Know the different methods of communication including strengths and weaknesses.</p> <p>31. Know how to open and respond to email.</p> <p>32. Know how to use an address book to write an email.</p> <p>33. Know how to use an email environment safely.</p> <p>34. Know how to add attachments to an email.</p> <p><b>Graphing</b></p> <p>35. Know how to set up a graph with a given number of fields using graphing software.</p> <p>36. Know how to enter data for a graph.</p> <p>37. Know how to select the most appropriate chart type for their data and explain reasoning.</p> <p>38. Know how to sort data in graphing software to enable easier analysis.</p>	<p><b>Information technology</b></p> <p><b>Spreadsheets</b></p> <p>18. Know what cell formatting is and how to format cells as currency, percentage, decimal or fraction.</p> <p>19. Know how to use formula wizard tools.</p> <p>20. Know how to combine spreadsheet tools to create a purposeful spreadsheet e.g. x times table test.</p> <p>21. Know how to use a spreadsheet to model a real-life situation e.g. budget planner.</p> <p>22. Know how to add a formula to a cell</p> <p><b>Effective Searching</b></p> <p>23. Know how to find information from a search results page.</p> <p>24. Know how to search effectively to find out information.</p> <p>25. Know how to identify if an information source is true and reliable.</p> <p><b>Animation</b></p> <p>26. Know how animations are created by hand.</p> <p>27. Know how animations are created using computers.</p> <p>28. Know what onion skinning is when referring to animation.</p> <p>29. Know that animations can be enhanced using features in software such as background and sounds.</p> <p>30. Know what 'stop motion' animation is</p> <p><b>Artificial Intelligence</b></p> <p>31. Know the basic concept of what artificial intelligence is.</p> <p>32. Know the key impact of artificial intelligence on daily life.</p> <p>33. Know real-life examples of the current use of artificial intelligence.</p> <p>34. Know how to think critically about artificial intelligence including its use in the future.</p> <p>35. Know how to utilise artificial intelligence to create media such as images and music.</p>	<p><b>Information technology</b></p> <p><b>Spreadsheets</b></p> <p>26. Know how to use formulae within a spreadsheet e.g. to convert measurements of length.</p> <p>27. Know how to use more advanced formulae effectively e.g. to calculate area/perimeter of shape.</p> <p>28. Know how to use tools within a spreadsheet e.g. the count tool to answer hypotheses. For example, to answer hypotheses about common letters in use.</p> <p><b>Databases</b></p> <p>29. Know the different ways to search for information in a database.</p> <p>30. Know how to add information into a shared database.</p> <p>31. Know how to create own database and create new records.</p> <p>32. Know what fields are and know how to correctly add information.</p> <p>33. Know how to phrase questions so they can be correctly answered using a search of database.</p> <p><b>Word Processing</b></p> <p>34. Know what a word processing tool is for.</p> <p>35. Know how to alter the look of text and navigate around a document.</p> <p>36. Know how to alter page layout including heading and columns.</p> <p>37. Know how to add and edit images.</p> <p>38. Know how to add features to enhance look and usability within a document e.g. textboxes, hyperlinks, contents pages.</p> <p>39. Know how to use tables to present information.</p>	<p><b>Information technology</b></p> <p><b>Spreadsheets</b></p> <p>32. Know the spreadsheet environment including key vocabulary e.g. cells, columns, rows, cell names, sheets, workbooks.</p> <p>33. Know the uses of spreadsheets and how they can be used to carry out basic calculations including addition, subtraction, multiplication and division formulae.</p> <p>34. Know that using formulae allows the data to change and the calculations to update automatically.</p> <p>35. Know how to use the SUM function and how to create formulae that deals with percentages, averages, max and min.</p> <p>36. Know that there are ways to present data graphically.</p> <p>37. Know how to use charting features to create charts from data in cells.</p> <p>38. Know how to use sparklines and data bars to illustrate data.</p>

	• <i>Year 3 Computer User</i>	• <i>Year 4 Computer User</i>	• <i>Year 5 Computer User</i>	<i>Year 6 Computer User</i>
Vocabulary	<ul style="list-style-type: none"> <li>• Coding: algorithm, code, command, debugging, input, output, object, repeat, run</li> <li>• Online safety: appropriate/inappropriate, internet, password, personal information, website</li> <li>• Spreadsheets: cell address, data</li> <li>• Email: email, inbox, password, trusted contact</li> <li>• Databases: branching database, data, debugging,</li> </ul>	<ul style="list-style-type: none"> <li>• Coding: algorithm, code blocks, command, debugging, event, 'if' statement, 'if/else' statement, input, object, run, selection, sequence, variable</li> <li>• Online safety: copyright, digital footprint, malware, plagiarism, SMART rules, software, virus</li> <li>• Spreadsheets: data, formula</li> <li>• Animation: animation, frame, stop motion</li> <li>• Searching: internet, key words, results page, search engine</li> <li>• AI: artificial intelligence, algorithm, data</li> </ul>	<ul style="list-style-type: none"> <li>• Coding: algorithm, command, debug, event, input, object, output, random, repeat, sequence, simulation, variable</li> <li>• Online safety: appropriate, copyright, digital footprint, malware, secure password, personal information, SMART rules</li> <li>• Spreadsheets: data, formula</li> <li>• Databases: data, databases, field, search</li> <li>• Microsoft Word: copy and paste, document, hyperlink</li> </ul>	<ul style="list-style-type: none"> <li>• Coding: action, algorithm, command, debugging, event, execute, function, input, object, output, procedure, repeat until, selection, sequence, simulation, text object, variable</li> <li>• Online safety: digital footprint, inappropriate, secure password</li> <li>• Blogging: blog, blog post, vlog</li> <li>• Text adventures: debug, function, repeat, selection, text adventures, variables</li> <li>• Networks: data, , hub/switch, IP address, network, router, search engine, web page/server/site, wi-fi</li> <li>• Excel: cell, cell reference, data, formatting, formula bar, spreadsheet, workbook</li> </ul>