| Computing<br>Strand | EYFS   | Year 1   | Year 2   | Year 3  | Year 4   | Year 5   | Year 6  |
|---------------------|--|--|--|---|--|--|---|
|                     |  |  |  |   |  |  |   |
| Problem Solving     | Count confidently beyond 20, recognising the pattern of the counting system;  Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes. | The child can recognise algorithms as sequences of instructions in everyday contexts.  The child can take real-world problems and then plan a sequence of steps to solve these. The problems could be moving a Bee Bot from one point to another, or making some simple food items like a sandwich, smoothie or pizza.  The child can program floor turtles using sequences of instructions to implement an algorithm.  The child can create a Bee Bot (or similar) program using a number of steps in order before pressing the Go button. The length of the child's programs might increase over the year. | The child can recognise and speculate algorithms as sequences of instructions or sets of rules in everyday contexts.  The child can recognise that common sequences of instructions or sets of rules can be thought of as algorithms. Examples could include recipes, but might also be procedures or rules in class, spelling rules, simple arithmetic operations or number patterns.  The child can program on screen using sequences of instructions to implement an algorithm.  The child can create programs as sequences of instructions when programming on screen. Their program could be written using simple programming apps (such as Blue Bot or Lightbot), ScratchJr or Scratch, perhaps using pre-prepared | The child can design and write a program using a block language, without user interaction.  A typical program might be a scripted animation for a joke, part of a story, or linked to another area of the curriculum. Programs could use pre-built sprites or ones designed by the child.  Expect programs to include movement and dialogue; they may also include sound effects and some use of costumes to allow for animated movement. There may be more than one sprite in the animation.  The child can explore simulations of physical systems on screen.  The child can synthesise and experiment with some on-screen simulations of physical systems, perhaps linked to topics from other curriculum areas, e.g. a ball bouncing on a bat or a car moving around a track. Many computer games include elements of | writing a program in Scratch (or similar) in which the user has to provide some input, perhaps as an answer to a question on screen, or by using key presses or the mouse. The program could be a simple game or a set of questions and typed responses.  The child can develop their own simulation of a simple physical system on screen.  The child can create a Scratch (or similar) program to simulate a simple physical system. This could be in the form of a simple animation or an onscreen prototype for a product made | The child can design, write and debug a program using a block language based on their own ideas.  The child can design a program of their own and write this in a block-based language such as Scratch.  The child can test and debug their code, explain what bugs they found and how they fixed them. The program need not be complex (a simple game or a turtle graphics program would suffice) but it should be accomplished with a degree of independent working  The child can experiment and hypothesise with computer control applications.  The child can apply their knowledge to use simple computer control and/or sensors with products they make in design and technology. | The child can design, write and debug a program using a second programming language based on their own ideas.  The child can design a program of their own and write this in a programming language other than Scratch (or whichever language has formed the focus for their programming in other years), such as TouchDevelop or App Inventor. The second language does not need to be text based, but Logo or Python could be used.  The child can evaluate, test and debug their code, explaining and critiquing their programme by identifying what bugs they found and evaluate how they fixed these. The program need not be complex - a simple app would suffice.  The child can design, write and debug their own computer control application. |

|             |  | blocks and sprites in this case.   | computer simulations. The child can discuss what they have learned from using the simulation.   |   |  | The child can apply their knowledge by adding computer control and/or sensors to a smartphone app or to products they design and make in design and technology. The child can show evidence of designing, writing and debugging their program, ensuring that this functions correctly on the available hardware platform.  |
|-------------|--|--|---|---|--|--|
| Programming | The child can give a sequence of instructions to a floor turtle.  The child can create a Bee Bot program using a sequence of instructions before running it using the Go button. The length of the child's programs might be expected to increase over the course of the year. | The child can create a simple program on screen, correcting any errors.  The child can create a simple program on screen (e.g. using the Blue Bot app, ScratchJr or with prepared sprites and blocks in Scratch) with a particular goal or purpose in mind (e.g. drawing a shape or moving a sprite from one place to another).  The child can debug any errors in their own code. | The child can use sequence in programs.  In on-screen programming, the child can explain their program which should include a sequence of commands or blocks in an appropriate order. A typical program could be a simple scripted animation.  The child's program might include multiple sprites; instructions could include movement, on-screen text, sound and/or costume changes. | The child can use sequence and repetition in programs.  The child will demonstrate understanding by their programme being typically written in Scratch, or similar, should include sequences of commands or blocks and some repetition.  Repetition would typically be for a fixed number of times, but might also include exit conditions (e.g. repeatuntil). Programs might include turtle graphics, simple music or a simple game. | The child can use sequence, selection and repetition in programs.  The child's program, typically written in Scratch, or similar, should include sequences of commands or blocks, some repetition and selection.  Repetition might include exit conditions (e.g. repeatuntil). Selection would normally be of an ifthen or ifthenelse type. At this level, expect the child to be able to combine repetition with selection. Programs might include a computer game or a turtle graphics design. | The child can use sequence, selection, repetition and variables in programs.  The child's program should include sequences of commands or blocks, repetition, selection and variables. Repetition might include exit conditions (e.g. repeatuntil) and perhaps a countervariable for iteration.  Selection would normally be of an ifthen or ifthen or ifthenelse type. At this level, expect the child to be able to combine repetition with selection and variables. Programs might include a simple smartphone app. |

| Logical  | The child can <b>reason</b>                     | The child can give                    | The child can                      | The child can                     | The child can                         | The child can give               |
|----------|---|---------------------------------------|------------------------------------|-----------------------------------|---------------------------------------|----------------------------------|
| Thinking | and <b>speculate</b> about                      | logical explanations                  | <b>explain</b> a simple,           | explain an                        | explain and make                      | clear and precise                |
|          | what they think a                               | for what they think                   | sequence-based                     | algorithm using                   | reasoned                              | logical                          |
|          | program will do.                                | a program will do.                    | algorithm in their                 | sequence and                      | judgements about                      | <b>explanations</b> of a         |
|          | The shild can describe                          | The shild can                         | own words.                         | repetition in their               | a rule-based                          | number of                        |
|          | The child can <b>describe</b>                   | The child can                         | The child can                      | own words.                        | algorithm in their own words.         | algorithms reaching informed     |
|          | to the teacher, and to peers, what they think a | compare and contrast logical          | summarise and                      | The child can                     | own words.                            | confusions.                      |
|          | program will do. This                           | explanations of                       | give an explanation                | demonstrate                       | When provided with                    | Comusions.                       |
|          | could be a program they                         | what a program will                   | for a simple                       | understanding by                  | a rule-based                          | Given an algorithm               |
|          | or their peers have                             | do under given                        | algorithm based on                 | being given an                    | algorithm (e.g. for a                 | the child can                    |
|          | written, or it could be a                       | circumstances,                        | a sequence of                      | algorithm using                   | computer game),                       | describe what it                 |
|          | familiar piece of                               | including some                        | instructions. The                  | both sequence and                 | the child should be                   | does and, using                  |
|          | software (including                             | attempt at                            | algorithm could be                 | repetition, the child             | able to explain what                  | logical reasoning,               |
|          | computer games). The                            | describing why it                     | one of their own, or               | can give a                        | it does and how it                    | give precise                     |
|          | child could use an audio                        | does what it does.                    | a simple one with                  | coherent, logically               | works, in their own                   | explanations of how              |
|          | recorder or video                               |                                       | which they have                    | reasoned                          | words.                                | it works. Algorithms             |
|          | camera to capture their                         | The program could                     | been provided. The                 | explanation of what               |                                       | could be linked to               |
|          | explanations.                                   | be one they                           | algorithms could be                | it does and how it                |                                       | programming                      |
|          |   | themselves have                       | recorded graphically,              | works. Repetition is              |                                       | projects, but might              |
|          |   | written or it could                   | e.g. as a storyboard.              | likely to be 'forever'            |                                       | include a key                    |
|          |   | be a computer                         |                                    | or for a set number               |                                       | algorithm such as                |
|          |   | game or a familiar piece of software. |                                    | of times, although                |                                       | binary search.                   |
|          |   | The child could use                   |                                    | end conditions (e.g. repeatuntil) |                                       |                                  |
|          |   | an audio recorder or                  |                                    | could be used.                    |                                       |                                  |
|          |   | a video camera to                     |                                    | codid be used:                    |                                       |                                  |
|          |   | record their                          |                                    |                                   |                                       |                                  |
|          |   | explanations                          |                                    |                                   |                                       |                                  |
|          | I   | <b>NFORMATION</b>                     | <b>TECHNOLOGY</b>                  |                                   |                                       |                                  |
| Creating | The child can <b>recognise</b>                  | The child can                         | The child can <b>use</b>           | The child can                     | The child can apply                   | The child can selec              |
| Content  | and use digital                                 | recognise how to                      | and <b>summarise</b> a             | summarise and                     | their knowledge to                    | apply and combin                 |
| Content  | technology to store and                         | store, organise and                   | range of programs                  | combine a range of                | use and combine a                     | a range of program               |
|          | retrieve content.                               | retrieve content on                   | on a computer.                     | programs on a                     | range of programs                     | on multiple devices              |
|          |   | digital devices for a                 |                                    | computer.                         | on multiple devices.                  | justifying their                 |
|          | The child can <b>observe</b>                    | given purpose.                        | The child can                      |                                   |                                       | choices.                         |
|          | and <b>use</b> a range of                       | NA/Stale on the same                  | recognise and                      | The child can                     | The child can <b>apply</b>            | The shild are sales              |
|          | digital technologies to                         | With a given                          | <b>explain</b> how to use          | demonstrate                       | their knowledge to                    | The child can select             |
|          | store and access digital                        | purpose, the child                    | a range of software                | understanding by using multiple   | use multiple digital devices (such as | for themselves from              |
|          | content. These might include laptop             | can identify and recognise how to     | on laptop or tablet computers with | programs on laptop                | tablets and laptops                   | a range of available programs on |
|          | computers, tablets,                             | use a range of                        | some degree of                     | or tablet computers               | or digital cameras                    | laptops, tablets or              |
|          | smartphones, digital                            | digital technologies                  | independence.                      | to achieve                        | and laptops) to                       | cloud-based service              |
|          | cameras, video cameras                          | to retrieve, organise                 |                                    | particular goals.                 | achieve particular                    | to achieve particula             |
|          | and audio recorders.                            | and store digital                     | include video                      | particular godion                 | goals. The devices                    | goals.                           |
|          | Projects might include                          | content.                              | editing, diagnostic                | The child can                     | might include web                     | 37                               |
|          | videoing one another                            |                                       | tools, email clients,              | design and create                 | servers, allowing                     | The child can                    |
|          | cooking, developing an                          | Technologies will                     | videoconferencing                  | content on a                      | them to use cloud-                    | design and create                |
|          | e-book or an audio book,                        | typically include                     | (with the teacher or               | computer in                       | based applications.                   | systems in respons               |
|          | creating a greetings                            | laptop computers,                     | another adult),                    | response to a given               |                                       | to a given goal.                 |
|          | card.   | tablets and                           | survey design                      | goal.                             | The child can <b>design</b>           | _                                |
|          |   | smartphones with                      | software,                          |                                   | and <b>create</b>                     |                                  |

survey design software,

smartphones with

The child can **design** and **create** 

The child can **create** original content using digital technology.

The child can **select** and create their own original digital content using a range of technologies. These might include laptop computers, tablets, smartphones, digital cameras, video cameras and audio recorders. Projects might include videoing one another cooking. developing an e-book or an audio book, creating a greetings card. Look for some indication of the child's creativity in this work.

access to the internet, but the child might also be expected to use digital cameras, video cameras and audio recorders (or the equivalent apps on a tablet or smartphone).

Projects might include digital photography, searching for images online and creating image-based presentation slides.

The child can **create** and **edit** original content for a given purpose using digital technology.

The child can create and edit their own original digital content using a range of technologies. Content-creation technology might include laptop computers, tablets, smartphones with network connections, digital cameras, video cameras and audio recorders, although editing is likely to take place on laptops or tablets. Projects might include digital photography, creating imagebased presentation slides, composina an email and

spreadsheets and presentation software.

The child can **synthesise** and present information.

The child can **use** computers to collect information and present this to an audience. E.g. They could shoot and then show a video, read and respond to an email or conduct an online survey and present the results. They should be able to do this with a degree of independence.

The child can design and create content on a computer.

The child can **plan** and **execute** a project in which they use software on a laptop or tablet to create digital content with some degree of independence.

With a given goal, the child can plan and **execute** a project in which they use software on a laptop or tablet to create digital content with some degree of independence.

The child can synthesise and present data.

The child can use computers to **collect** numerical data and present this to an audience.

programs on a computer in response to a given goal.

The child can **design** 

a program of their own in response to a given goal and write this in a block-based language such as Scratch, The program need not be complex - a simple game or a turtle graphics program would suffice, but it should be accomplished with a dearee of independent working.

The child can analyse and **evaluate** information.

Working with text, audio, images or video, the child can analyse and **critique** information, perhaps summarising this. They should **evaluate** the quality of the information, looking for bias or questioning assumptions that have been made.

The child can plan, design and implement a system with multiple, interrelated components with a given goal in mind and **evaluate** the end result.

The child can analyse and evaluate data.

The child can evaluate the quality of numerical data, deciding the extent to which it is affected by systematic or random errors. They should analyse their data, perhaps producing summary statistics, looking for relationships, trends and exceptions.

|           |  | creating simple |                            |                                       |  |                                  |
|-----------|--|-----------------|----------------------------|---------------------------------------|--|----------------------------------|
|           |  | charts.         |                            |                                       |  |                                  |
|           |  | criares.        |                            |                                       |  |                                  |
|           |  |                 |                            |                                       |  |                                  |
|           |  |                 |                            |                                       |  |                                  |
|           |  |                 |                            |                                       |  |                                  |
|           |  |                 |                            |                                       |  |                                  |
|           |  |                 |                            |                                       |  |                                  |
| Searching |  |                 | The child can use a        | The child can <b>use</b> a            | The child can apply                    | The child can apply              |
|           |  |                 | standard search            | standard search                       | their knowledge of                     | their knowledge of a             |
|           |  |                 | engine and                 | engine to find                        | filters to make more                   | range of search                  |
|           |  |                 | summarise how to           | information.                          | effective use of a                     | engines appropriate              |
|           |  |                 | find information.          |                                       | standard search                        | to finding                       |
|           |  |                 |                            | The child can use a                   | engine.                                | information that is              |
|           |  |                 | The child can use a        | common search                         |  | required.                        |
|           |  |                 | common search              | engine (such as                       | The child can apply                    |                                  |
|           |  |                 | engine (such as            | Google with safe                      | their knowledge to                     | The child can <b>apply</b>       |
|           |  |                 | Google with safe           | search mode locked                    | use a common                           | their knowledge to               |
|           |  |                 | search mode locked         | in place)                             | search engine (such                    | use effectively a                |
|           |  |                 | in place) effectively      | effectively, to                       | as Google with safe                    | range of different               |
|           |  |                 | to <b>search f</b> or      | search for                            | search mode locked                     | search technologies,             |
|           |  |                 | particular                 | particular                            | in place) effectively,                 | including                        |
|           |  |                 | information on the         | information on the                    | to search for                          | alternatives to                  |
|           |  |                 | web.                       | web, such as                          | particular                             | Google (such as Bing             |
|           |  |                 |                            | answers to <b>explain</b>             | information on the                     | or Yahoo) and site-              |
|           |  |                 | The child can              | questions they                        | web, such as                           | specific search                  |
|           |  |                 | understand and             | identify in a                         | answers to questions                   | engines (such as                 |
|           |  |                 | <b>explain</b> that search | research project.                     | they identify in a                     | those for the App                |
|           |  |                 | engines rank pages         |                                       | research project.                      | Store or Google                  |
|           |  |                 | according to               | The child can                         | They should use                        | Play).                           |
|           |  |                 | relevance.                 | understand and                        | built-in search tools                  |                                  |
|           |  |                 |                            | synthesize that                       | to filter their results,               | The child can                    |
|           |  |                 | The child can              | search engines                        | such as by time,                       | explain and justify              |
|           |  |                 | demonstrate their          | rank pages                            | location or reading                    | how search engines               |
|           |  |                 | understanding that         | according to                          | level.                                 | rank pages based on              |
|           |  |                 | search engine              | relevance.                            |  | the number and                   |
|           |  |                 | results are ranked         |                                       | The child can                          | quality of in-bound              |
|           |  |                 | according to               | The child can                         | demonstrate their                      | links.                           |
|           |  |                 | relevance.                 | demonstrate                           | understanding of                       | The shift of                     |
|           |  |                 |                            | their                                 | how search engines                     | The child can                    |
|           |  |                 |                            | understanding                         | use a cached copy of                   | demonstrate                      |
|           |  |                 |                            | that search engine                    | the crawled web to                     | understanding of                 |
|           |  |                 |                            | results are ranked                    | select and rank                        | the Page Rank                    |
|           |  |                 |                            | according to                          | results.                               | algorithm,                       |
|           |  |                 |                            | relevance, and that                   | The child can                          | <b>explaining</b> that the       |
|           |  |                 |                            | normally the top                      | The child can                          | quality of a page is             |
|           |  |                 |                            | results on the first                  | explain how a                          | determined largely               |
|           |  |                 |                            | page are likely to                    | search engine                          | on the basis of the              |
|           |  |                 |                            | be those most                         | creates an index                       | number and quality               |
|           |  |                 |                            | relevant to their                     | from a cached copy of the web and uses | of links pointing to             |
|           |  |                 |                            | query. If the child is unable to find | this to select and                     | that page in the engine's cached |
|           |  |                 |                            |                                       |  |                                  |
|           |  |                 |                            | good results on the                   | rank results. The                      | copy of the web, and             |
|           |  |                 |                            | first page, expect                    | child might also                       | that quality is itself           |

|          |   |  |  | them to reconsider<br>their keywords<br>rather than looking<br>at further pages of<br>results.   | show an awareness of the Page Rank algorithm in which results are ranked according to the number and quality of in-bound links.  | determined<br>recursively through<br>Page Rank.   |
|----------|---|--|--|--|--|---|
|          |   | DIGITAL L  | ITERACY  |  |  |   |
| E-Safety | The child can recognise how to keep themselves safe while using digital technology.  The child can identify and understand that they need to keep safe when using digital technology.  The child can recall that information on the internet can be seen by others.  The child should be aware and describe that information stored on the web or transmitted via the internet is available to other people.  The child can recognise what to do if they see disturbing content online at home or at school.  The child should recognise to close the laptop lid or turn the tablet over if they find content, such as inappropriate images, which might disturb them or other children. They should know to tell their teacher or their parents if this happens. | The child can reason and speculate about keeping safe and show respect to others while using digital technology.  The child should identify that they need to keep themselves safe when using digital technology.  The child can recall and understand that they should not share personal information online.  The child should describe why personal information should be kept private: it should not be posted online to a public audience and should only be shared privately with those who they (or their parents) would trust.  The child can recognise and understand what to do if they have concerns about content or contact | The child can explain and use digital technology safely and show respect for others when working online.  The child should know and summarise why they need to keep themselves safe when using digital technology.  The child can recognise unacceptable behaviour when using digital technology.  The child can identify what would be unacceptable or inappropriate behaviour when using digital technology in a range of contexts.  Know who to talk to about concerns and inappropriate behaviour in school.  Pupils should identify how to report inappropriate | The child can explain how to use technology safely and demonstrate that they can act responsibly when using computers.  The child can explain why and act responsibly when using computers  The child can demonstrate understanding of the difference between acceptable and unacceptable behaviours when using digital technology.  The child can discuss and explain the difference between acceptable and unacceptable behaviours when using digital technology in a range of contexts. Contexts could include the Scratch website, or other online communities; the use of others' | The child can apply their knowledge and demonstrate that they can act responsibly when using the internet.  The child can explain and justify the consequences of particular behaviours when using digital technology.  The child can explain and justify the likely or possible consequences of particular behaviours when using digital technology in a range of contexts. Contexts could include the Scratch website, or other online communities; using cryptography and passwords; creating websites or writing blog posts.  Recall and Know how to report concerns and inappropriate behaviour in a range of contexts.  Pupils should reach informed | The child can show that they can think through the consequences of their actions when using digital technology.  The child can discuss and evaluate likely and potential consequences of their actions when using digital technology in a range of contexts. Contexts might include developing smartphone apps; using online project management tools; collecting information for market research; posting original content online.  The child can identify and justify principles underpinning acceptable use of digital technologies.  The child can identify and explain some principles |
|          |   | online.  | behaviour when<br>using technology in<br>school to their   | original content,<br>such as music<br>samples or web   | conlusions allowing them to report inappropriate   | underpinning<br>acceptable<br>behaviour when  |

The child should **identify** and know how to close the laptop lid or turn the tablet over if they find content, such as inappropriate images, which might disturb them or other children; if someone they don't trust contacts them online: if someone makes inappropriate contact online. They should identify how to tell their teacher or their parents if this happens and be aware that they could talk to another trusted adult or to ChildLine about this.

teacher, the network manager or another trusted adult, and that they can discuss any concerns they have with their teacher or other trusted adults in school.

The child can **decide** whether a web page is relevant for a given purpose or question.

The child can **form** a **judgemen**t about whether a web page is appropriate for finding out the answer to a question they have or for a given purpose.

The child can **use** email and videoconferencing in class.

When working as part of the class, the child can use email effectively and participate in a whole-class videoconference.

pages; wikis, including Wikipedia.

**Explain** who to talk to about concerns and inappropriate behaviour at home or in school.

Pupils should identify and know to report inappropriate behaviour when using technology in school to their teacher, the network manager or another trusted adult, and that they can discuss any concerns they have with their teacher or other trusted adults in school.

They should also know that any concerns over, or inappropriate behaviour with, digital technology at home can be discussed with their parents, with you or with another trusted adult.

The child can **decide** whether digital content is relevant for a given purpose or question.

The child can **form** a **judgement** about whether a web page, such as a Wikipedia article, or other digital content is

behaviour when using technology in school when necessary: preferably this will be to their teacher, the network manager or another trusted adult. They should know how to report any concerns over inappropriate behaviour with digital technology at home. Preferably this would be through discussion with their parents, with you or with another trusted adult. Pupils should also know how to report inappropriate behaviour to those running websites which they regularly use, and to ChildLine, CEOP or

The child can make reasoned judgements about whether digital content is reliable and unbiased.

to the police.

The child can **evaluate** whether particular content (such as a web page, other children's pages or blog posts) is reliable and whether it has been written from a neutral point of view. They should be able to spot some examples of bias in digital content.

using technologies in a range of contexts. Contexts could include smartphone or tablet use; the use of online project management tools; online surveys and recording of interviews; creating and sharing digital content.

Recall and know how to access a range of ways to report concerns and inappropriate behaviour in a variety of contexts.

Pupils should **reach** informed **conclusions** about knowing how to report inappropriate behaviour when using technology in school: preferably this will be to their teacher, the network manager or another trusted adult. They should know how to report any concerns over, or inappropriate behaviour with, digital technology at home.

Preferably this would be through discussion with their parents, with you or with another trusted adult. Pupils should also know how to report inappropriate behaviour to those running websites which they regularly

|                              |  |   |   | appropriate for finding out the answer to a question they have or for a given purpose.  The child can demonstrate understanding by working collaboratively with classmates on a shared wiki.  The child can work collaboratively with their peers on a shared project, such as a class wiki, making useful contributions and providing feedback to others. | The child can work collaboratively with classmates on a class website or blog.  The child can work productively and positively with others when developing a shared website or contributing to a class blog. | use, and to ChildLine, CEOP or the police. Pupils should know that illegal content or activities can be reported to CEOP or the police.  The child can form an opinion and critique about the effectiveness of digital content.  Taking into account the intended audience and purpose of the content, the child can form an informed judgement as to, and provide reasons for, the extent to which they consider digital content to be effective. The content might be an app, media resources or marketing materials. The child can use online tools to plan and carry out a collaborative project.  The child can apply knowledge of an online tool to plan and carry out a collaborative project (such as developing an app). |
|------------------------------|--|---|---|--|--|---|
| Using IT<br>beyond<br>school | and she awarer used for beyond  The chilidentife | ness of how IT is recommunication school. | The child can recognise and show an awareness of how IT is used for a range of purposes beyond school.  The child can identify a number |  |  |   |

| to communicate beyond | of purposes for      |  |  |
|-----------------------|----------------------|--|--|
| school.               | which IT is used     |  |  |
|                       | beyond school.       |  |  |
|                       |                      |  |  |
|                       | The child can        |  |  |
|                       | reason and           |  |  |
|                       | speculate about      |  |  |
|                       | how adults can       |  |  |
|                       | share work and       |  |  |
|                       | discuss ideas in     |  |  |
|                       | online communities;  |  |  |
|                       | that photos can be   |  |  |
|                       | taken, edited and    |  |  |
|                       | shared easily using  |  |  |
|                       | digital technology;  |  |  |
|                       | that the web is      |  |  |
|                       | made up of           |  |  |
|                       | information shared   |  |  |
|                       | by people and        |  |  |
|                       | organisations; that  |  |  |
|                       | people use email for |  |  |
|                       | a range of purposes  |  |  |
|                       | and in a variety of  |  |  |
|                       | contexts; that       |  |  |
|                       | scientists use       |  |  |
|                       | computers when       |  |  |
|                       | collecting and       |  |  |
|                       | analysing data.      |  |  |