



CURRICULUM PROGRESSION GRID: COMPUTING

KEY STAGE 1

| Computer Science/Coding | Information Technology | Online Safety |
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| <p>NC Link understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions;</p> <p>create and debug simple programs;</p> <p>use logical reasoning to predict the behaviour of simple programs</p> | <p>NC Link Use technology purposefully to create, organise, store, manipulate and retrieve digital content;</p> <p>Recognise common uses of information technology beyond school</p> | <p>NC Link 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.</p> |
| <p>Theme Links Autumn 1, Spring 1 & Summer 1</p> | <p>Theme Links Autumn 2, Spring 2 & Summer 2</p> | <p>Theme Links Ongoing throughout the year</p> |
| <p>Build on ELG ELG15 Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes</p> | <p>Build on ELG ELG15 Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes</p> | <p>Build on ELG ELG15 Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes</p> |
| <p>Intent</p> <ul style="list-style-type: none"> - give commands one at a time to control direction and movement, including straight, forwards, backwards, turn; - control the nature of events: repeat, loops, single events and add and delete features; - give a set of instructions to follow and predict what will happen; - improve/change their sequence of commands by debugging; <p>Extended Write: Instructions for how to do</p> | <p>Intent</p> <p><u>Technology in Our Lives</u></p> <ul style="list-style-type: none"> - recognise ways that technology is used in the home and community, e.g. taking photos, blogs, shopping; - use links to websites to find information; - recognise age-appropriate websites; - use safe search filters; <p><u>Multimedia, Text and Images</u></p> <ul style="list-style-type: none"> - add text strings, text boxes and show and hide objects and images, manipulating the | <p>Intent</p> <ul style="list-style-type: none"> - identify what things count as personal information; - identify what is appropriate and inappropriate behaviour on the internet; - agree and follow sensible online safety rules, e.g. taking pictures, sharing information, storing passwords; - seek help from an adult when they see something that is unexpected or |

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| <p>something A 'how to' guide to writing code</p> | <p>features;</p> <ul style="list-style-type: none"> - use various tools, such as brushes, pens, eraser, stamps and shapes, and set the size, colour and shape; - use applications and devices in order to communicate ideas, work, messages and demonstrate control; - save, retrieve and organise work; <p><u>Multimedia, Sound and Motion</u></p> <ul style="list-style-type: none"> - use software to record sounds; - change sounds recorded; - save, retrieve and organise work; <p>Extended Write: Multimedia story with images/sounds combined with text Information about examples of technology in our lives</p> | <p>worrying;</p> <ul style="list-style-type: none"> - demonstrate how to safely open and close applications and log on and log off from websites; <p>Extended Write: E-Safety information poster</p> |
| <p>Vocabulary: algorithm, instruction, order, debug, program, turn, left, right, clockwise, anticlockwise, blocks, sequence, project, repeat, repeat forever, invisible, grow, shrink.</p> | <p>Vocabulary: filter, Google, search engine, image, keyboard, email, internet, subject, address, communicate, sender, safe, secure.</p> <p>paint, colour, brush, tools, settings, undo, redo, text, image, size, poster, launch, application, software, window, minimise, restore, size</p> <p>move, screen, close, click, drag, log on, log off, keyboards, keys, mouse, click, button, double click, drag, present, commands, add sound.</p> | <p>Vocabulary: safe, meet, accept, reliable, tell, online, trusted, adult, information, safety, personal, key, question, tell, safe, share, stranger, danger, internet.</p> |