Year 2 – Sequence of learning – Autumn term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Year 2 **Key vocabulary** Decomposition, debug, reason, detail, breakdown, task	Activity Develop Programming To know **Computational Thinking** Know how to write algorithms for everyday tasks Know how to use logical reasoning to predict the outcome of algorithms Know decomposition is breaking objects/processes down Know how to implement simple algorithms on digital devices (Bee Bots, Apps: Daisy the Dino) Know how to debug algorithms **Programming** Know programs execute by following precise and unambiguous instructions Know how to create programs on a variety of digital devices Know how to debug programs of increasing complexity Know how to use logical reasoning to predict the outcome of simple programs	Activity Develop Programming To know **Computational Thinking** Know how to write algorithms for everyday tasks Know how to use logical reasoning to predict the outcome of algorithms Know decomposition is breaking objects/processes down Know how to implement simple algorithms on digital devices (Bee Bots, Apps: Daisy the Dino) Know how to debug algorithms **Programming** Know programs execute by following precise and unambiguous instructions Know how to create programs on a variety of digital devices Know how to debug programs of increasing complexity Know how to use logical reasoning to predict the outcome of simple programs	Activity Develop Programming To know **Computational Thinking** Know how to write algorithms for everyday tasks Know how to use logical reasoning to predict the outcome of algorithms Know decomposition is breaking objects/processes down Know how to implement simple algorithms on digital devices (Bee Bots, Apps: Daisy the Dino) Know how to debug algorithms **Programming** Know programs execute by following precise and unambiguous instructions Know how to create programs on a variety of digital devices Know how to debug programs of increasing complexity Know how to use logical reasoning to predict the outcome of simple programs	Activity Develop Programming To know **Computational Thinking** Know how to write algorithms for everyday tasks Know how to use logical reasoning to predict the outcome of algorithms Know decomposition is breaking objects/processes down Know how to implement simple algorithms on digital devices (Bee Bots, Apps: Daisy the Dino) Know how to debug algorithms **Programming** Know programs execute by following precise and unambiguous instructions Know how to create programs on a variety of digital devices Know how to debug programs of increasing complexity Know how to use logical reasoning to predict the outcome of simple programs	Activity Develop Programming To know **Computational Thinking** Know how to write algorithms for everyday tasks Know how to use logical reasoning to predict the outcome of algorithms Know decomposition is breaking objects/processes down Know how to implement simple algorithms on digital devices (Bee Bots, Apps: Daisy the Dino) Know how to debug algorithms **Programming** Know programs execute by following precise and unambiguous instructions Know how to create programs on a variety of digital devices Know how to debug programs of increasing complexity Know how to use logical reasoning to predict the outcome of simple programs	Activity Develop Programming To know **Computational Thinking** Know how to write algorithms for everyday tasks Know how to use logical reasoning to predict the outcome of algorithms Know decomposition is breaking objects/processes down Know how to implement simple algorithms on digital devices (Bee Bots, Apps: Daisy the Dino) Know how to debug algorithms **Programming** Know programs execute by following precise and unambiguous instructions Know how to create programs on a variety of digital devices Know how to debug programs of increasing complexity Know how to use logical reasoning to predict the outcome of simple programs
• Computer Science • Information Technology • Digital Literacy/e-Safety	Computer Science	Computer Science	Computer Science	Computer Science	Computer Science	Computer Science

	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Year 2 **Key vocabulary** Cut, copy, paste. Caps Lock, Insert, Image, Save, clipboard, editing, header, highlight Online issues Internet Communication	Activity Online relationships To know Know how to use the internet to communicate with people I don't know well (e.g. email a penpal in another school/ country).	Activity Word-processing - 2Simple/2Publish – English To know **Word Processing/Typing** Know how to use the space bar only once between words and use touch to navigate to words letter to edit Know how to copy and paste images and text Use caps locks for capital letters. Know how to add images alongside text in a word processed document. Know how to dictate longer passages into a digital device with accurate punctuation.	Activity Word-processing - 2Simple/2Publish – English To know **Word Processing/Typing** Know how to use the space bar only once between words and use touch to navigate to words letter to edit Know how to copy and paste images and text Use caps locks for capital letters. Know how to add images alongside text in a word processed document. Know how to dictate longer passages into a digital device with accurate punctuation.	Activity Word-processing - 2Simple/2Publish – English To know **Word Processing/Typing** Know how to use the space bar only once between words and use touch to navigate to words letter to edit Know how to copy and paste images and text Use caps locks for capital letters. Know how to add images alongside text in a word processed document. Know how to dictate longer passages into a digital device with accurate punctuation.	Activity Word-processing - 2Simple/2Publish – English To know **Word Processing/Typing** Know how to use the space bar only once between words and use touch to navigate to words letter to edit Know how to copy and paste images and text Use caps locks for capital letters. Know how to add images alongside text in a word processed document. Know how to dictate longer passages into a digital device with accurate punctuation.	Activity Word-processing - 2Simple/2Publish – English To know **Word Processing/Typing** Know how to use the space bar only once between words and use touch to navigate to words letter to edit Know how to copy and paste images and text Use caps locks for capital letters. Know how to add images alongside text in a word processed document. Know how to dictate longer passages into a digital device with accurate punctuation.
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