



Computing Curriculum Map

John Clifford School

Autumn 1

| FS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|--|--|--------------------------------|---|--|--|--|
| Control: Day to Day technology | Computer Skills | E-Safety | Programming: Turtle, Logo and Scratch | How does the internet work? | Scratch: Developing games | Scratch animated stories |
| People of interest linked to each unit: | | | | | | |
| | Ada Lovelace Bill Gates Charles Babbage | Tim Berners Lee | Alan Turing- coding expert | Tim Berners Lee | Alan Turing- coding expert | Alan Turing- coding expert |
| Vocabulary to be taught: | | | | | | |
| Control Information Internet Program | Internet Information Typing Keyboard Monitor | Internet Online E-safety | Control Algorithm Input Output | Input Output Search Network Data | Debug Sequence Script Control block | Debug Sequence Script Control block Repetition |
| Topic links to: | | | | | | |
| People who help us Ambulance visit/Vet visit/Firemen | | | | | | |
| Texts that link to the topic: | | | | | | |
| Mr Men | It's a Book by Lane Smith | It's a Book by Lane Smith | | | | |

Autumn 2

| FS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|---|---|-------------------------------------|--|--|--|--|
| Control: Day to Day technology Information: How do we use technology to retrieve information. | Word Processing | Using the internet | Internet Research and Communication | Coding - movement | Programming a device | Programming Design, write and debug programs that accomplish specific goals, |
| People of interest linked to each unit: | | | | | | |
| | Bill Gates-n Microsoft owner | Tim Berners Lee | Mark Zuckenberg-Facebook originator | Alan Turing- coding expert | Elon Musk Alan Turing- coding expert | Elon Musk |
| Vocabulary to be taught: | | | | | | |
| Control Information Internet Program | Program Input Output Monitor Keyboard | Search Network World Wide Web | Internet Network World Wide Web Search Algorithm Data | Control Turn Degrees Sprite Movement | Control Execute Selection Debug | Costume Commands Debug Scripts |
| Topic links to: | | | | | | |
| Story telling- Guy Fawkes/Diwali/Rainbow Fish | | | | | | |
| Texts that link to the topic: | | | | | | |
| Guy Fawkes- Rama and Sita | | It's a Book by Lane Smith | | | Women in Science: 50 Fearless Pioneers Who Changed the Worldby Rachel Ignotofsky | Women in Science: 50 Fearless Pioneers Who Changed the Worldby Rachel Ignotofsky |

Spring 1

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|---|---------------------------|---|--|--|---|--|
| Control: Day to Day technology Information: How do we use technology to retrieve information. E-safety | Painting | Programming Turtle, Logo and Scratch | Drawing and Desktop Publishing | Use Office – links and inserts | 3D Modelling | Spreadsheets: collecting, analysing, evaluating and presenting data and information |
| People of interest linked to each unit: | | | | | | |
| | | Alan Turing- coding expert | Bill Gates- creator of Microsoft | Bill Gates- creator of Microsoft | Elon Musk- | Bill Gates- creator of Microsoft Martha Lane Fox- lastminute.com owner, uses spreadsheets and databases extensively |
| Vocabulary to be taught: | | | | | | |
| Control Information Internet Program | Brush Palette Click | Directions (Forward, backwards, turn) Sprite | Word processor Typing Selection Program | Word processor Typing Selection Program Highlight Hyperlinks Cut/paste | 2D/3D/ dimensions Modelling Vector Scaling | Rows Columns Cells Sum Average |
| Topic links to: | | | | | | |
| Story telling- Guy Fawkes/Diwali/Rainbow Fish | | | | | | |
| Texts that link to the topic: | | | | | | |
| Rainbow Fish | | | | | | |

Spring 2

| FS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|---|--------------------------------|--------------------------------------|--|---|---|--|
| Information: How do we use technology to retrieve information. E-safety | Programming Toys | Programming Turtle, Logo and Scratch | Presentation Skills | Coding – inputs from screen based actions | Online safety | Film Making: video interviews recorded using digital devices and importing them into video editing software. |
| People of interest linked to each unit: | | | | | | |
| | Alan Turing- coding expert | Alan Turing- coding expert | Bill Gates- founder of Microsoft | Alan Turing- coding expert | Tim Berners Lee | Steve Jobs- Apple creator |
| Vocabulary to be taught: | | | | | | |
| Control Information Internet Program | Algorithm Sequence Programming | Algorithm Sequence Programming | Word processor Typing Selection Transition Cut/paste | Input/output Control Sprite Movement/Motion Costume | Internet World Wide Web Database Search engine Cyber bullying | Digital Device Transition Selection/Sequence Images/Collection |
| Topic links to: | | | | | | |
| Story telling- Guy Fawkes/Diwali/Rainbow Fish | | | | | | |
| Texts that link to the topic: | | | | | | |
| | | | | | | |

Summer 1

| FS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|--|---------------------------------|----------------|---------------------------------------|---|---|--|
| Information: How do we use technology to retrieve information. E-safety Control/ Programming | E-Safety | Computer Art | Word Processing | Editing pictures – art based project on remembrance | Radio Station/Podcast/Broadcast | Using and applying: Microbit Programming & Online Safety |
| People of interest linked to each unit: | | | | | | |
| | Larry Page (inventor of Google) | | | | | Charles Babbage Barbara Liskov |
| Vocabulary to be taught: | | | | | | |
| Control Information Internet Program | Online Internet Information | Icon Selection | Word processor Typing Selection | Edit Crop/ Re-size Modify | Podcast Broadcast Selection Sequence | Algorithm Function Input Output Program Interface |
| Topic links to: | | | | | | |
| Story telling- Guy Fawkes/Diwali/Rainbow Fish | | | | | | |
| Texts that link to the topic: | | | | | | |
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Summer 2

| FS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|---|--|--|--|--|--|--|
| Control/ Programming | Programming Scratch Jr. | Using and applying: use technology to create, store, and retrieve digital content | Using and Applying: to create, store, manipulate and retrieve digital content | Coding – game to involve interacting with moving target | Using and Applying : Microbit Programming | Using and applying: Microbit Programming & Online Safety |
| People of interest linked to each unit: | | | | | | |
| | Charles Babbage | | | Charles Babbage | Charles Babbage | Charles Babbage |
| Vocabulary to be taught: | | | | | | |
| Control Information Internet Program | Control Algorithm Device Sprite | Word processor Typing Selection Transition Cut/paste | Word processor Typing Selection Transition Cut/paste Save Retrieve | Software Input/Output Algorithm Sequence | Software Input/Output devices Algorithm Sequence Selection | Software Input/Output devices Algorithm Sequence Cyberbullying |
| Topic links to: | | | | | | |
| Travel | | | | | | |
| Texts that link to the topic: | | | | | | |
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