|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| All lessons should refer to skills from:  Typing and/or mouse skills, saving and retrieving or research strands as they apply to most uses of technology | | | | | | |
| Cycle A | | | | | | |
|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Online Safety thread – A and B | Privacy and security | Online Bullying | Relationship and Self Image | Well-Being and Lifestyle | Digital Footprint and Reputation | Creative Credit, Copyright and Quality |
| Class 1 Topic - 1 year cycle | I’m Special I am me! | Traditional Tales and Celebrations | Superheroes people who help us | Into the Woods | Transport and Farming | Around the World |
| Computing thread | CODING  Ilearn2 activity pack Bee bots | IMAGE  “Digital art and design - autumn” | WORD PROCESSING  “Digital image and videos” | SOUND ENGINEERING iPad | CODING  Ilearn2 activity pack  [Code-a-pillar app](https://itunes.apple.com/gb/app/think-learn-code-a-pillar/id1110815901?mt=8) | VIDEO STRAND - iPad |
| Class 2 Topic Y1/2 | Homes (Geography) | Toys (Hist/Geog) | Africa | Katie Morag and the Island of Coll | Growing | Mini beasts |
| Computing thread | CODING  Scratch Jr Playground | 3D DESIGN  “Year 1 3D Design” | IMAGE  “Year 1 Text and Images” | SOUND ENGINEERING iPad | CODING  Scratch Jr Activities | VIDEO STRAND - iPad |
| [Computer Systems](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-technology-around-us)  [Teach computing](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-technology-around-us)  Year 1 – technology around us | [Technology in our classroom](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-technology-around-us/technology-in-our-classroom) | [Using technology](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-technology-around-us/using-technology) | [Developing mouse skills](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-technology-around-us/developing-mouse-skills) | [Using a computer keyboard](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-technology-around-us/using-a-computer-keyboard) | [Developing keyboard skills](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-technology-around-us/developing-keyboard-skills) | [Using a computer responsibly](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-technology-around-us/using-a-computer-responsibly) |
| Class 3 Topic Y3/4 | Volcanoes | Rocks and fossils | Victorians | The Human Body | Egypt | Shadow and Light |
| Computing thread | CODING  [**harvard.edul**](http://scratched.gse.harvard.edu/guide/curriculum.html) **plans**  Unit 1 | DATA  “Year 4 Data Handling” | 3D DESIGN  “Year 4 3D design:  3D Design Village” | Sound Engineering iPad | CODING  [**harvard.edul**](http://scratched.gse.harvard.edu/guide/curriculum.html) **plans**  Unit 2 | IMAGE/WORD PROCESSING  “Year 3 Comic Creation” |
| [Computer Systems](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-connecting-computers)  [Teach computing](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-connecting-computers)  Year 3 – connecting computers. | How does a digital device work? | [What parts make up a digital device?](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-connecting-computers/what-parts-make-up-a-digital-device) | [How do digital devices help us?](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-connecting-computers/how-do-digital-devices-help-us) | [How am I connected?](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-connecting-computers/how-am-i-connected) | [How are computers connected?](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-connecting-computers/how-are-computers-connected) | [What does our school network look like?](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-connecting-computers/what-does-our-school-network-look-like) |
| Class 4 Topic Y5/6 | WW2 | WW2 | Rainforests | Climate Change | Greece | Ancient Greece |
| Computing thread | CODING  [harvard.edul](http://scratched.gse.harvard.edu/guide/curriculum.html) plans  Unit 4 | RESEARCH AND PRESENTATION  Website design – Blitz | SOUND ENGINEERING iPad | 3D DESIGN  “Year 4 3D Design: Lego modelling” | CODING  [harvard.edul](http://scratched.gse.harvard.edu/guide/curriculum.html) plans  Unit 5 | VIDEO STRAND iPad |
| [Computer Systems](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-sharing-information)  [Teach computing](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-sharing-information)  Year 5 – Systems and searching | [Systems](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-sharing-information/systems) | [Computer systems and us](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-sharing-information/computer-systems-and-us) | [Searching the web](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-sharing-information/searching-the-web) | [Selecting search results](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-sharing-information/selecting-search-results) | [How search results are ranked](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-sharing-information/how-search-results-are-ranked) | [How are searches influenced](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-sharing-information/how-are-searches-influenced) |
| Cycle B | | | | | | |
|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Class 2 Topic Y1/2 | Ourselves | Great fire of London | Journeys | Food | Dinosaurs | The Seaside |
| Computing thread | DATA  “Year 2 Introducing Data Handling” | CODING – Introduce CODING.  Ilearn2 | IMAGES  “Year 1 Digital Art” | WORD PROCESSING  “Year 2 eBook Creation” | CODING – Scratch CODING ilearn2 Year2 Gruffalo. | VIDEO  “Year 2 Introduction to Animation” |
| [Computer Systems](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us)  [Teach computing](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us)  Year 2 – IT around us | [What is IT?](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/what-is-it) | [IT in school](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/it-in-school) | [IT in the world](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/it-in-the-world) | [The benefits of IT](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/the-benefits-of-it) | [Using IT safely](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/using-it-safely) | [Using IT in different ways](https://teachcomputing.org/curriculum/key-stage-1/computing-systems-and-networks-it-around-us/using-it-in-different-ways) |
| Class 3 Topic Y3/4 | Stone age/iron age | Habitats and food chains | Romans and Celts | Magnets and Electricity | River/sea and City locations and London | Solids, liquids and temperature, Water Cycle |
| Computing thread | CODING  [**harvard.edul**](http://scratched.gse.harvard.edu/guide/curriculum.html) **plans**  Unit 3 | VIDEO STRAND iPad | 3D DESIGN:  “3D modelling – roman village/town” | WORD PROCESSING  “Document editing and creation. Keyboard skills.” | CODING  Programming scratch ilearn2 | VIDEO  “Year 4 Animation” |
| [Computer Systems](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet)  [Teach computing](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet)  Year 4 – The Internet | [Connecting networks](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/connecting-networks) | [What is the internet made of?](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/what-is-the-internet-made-of) | [Sharing information](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/sharing-information) | [What is a website?](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/what-is-a-website) | [Who owns the web?](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/who-owns-the-web) | [Can I believe what I read?](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/can-i-believe-what-i-read) |
| Class 4 Topic Y5/6 | The Civil War | The Civil War | The Local Area | South America | Africa | Vikings |
| Computing thread | CODING  [**harvard.edul**](http://scratched.gse.harvard.edu/guide/curriculum.html) **plans**  Unit 6 | IMAGES  “Year 6 Graphic Design”  (Adapted -Digital photo editing. Maps of Newark.  Colour, contrast adding layer, cropping.) | CODING – programming with Sphero | WORD PROCESSING  “eBook creation.”  Research skills – Mayans. | CODING – Using Python. | DATA  “Year 5 Data Handling” |
| [Computer Systems](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-communication)  [Teach computing](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-communication)  Year 6 – Communication and collaboration | [Internet addresses](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-communication/internet-addresses) | [Data packets](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-communication/data-packets) | [Working together](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-communication/working-together) | [Shared working](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-communication/shared-working) | [How we communicate](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-communication/how-we-communicate) | [Communicating responsibly](https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-communication/communicating-responsibly) |