

Bowes Computing

Long Term Subject Map 2023–24



Unit title in bold and digital technology to be used in italics

Computing	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Computing through continuous provision	Computing through continuous provision <i>iPads – QR codes</i>	Using a computer <i>Chromebooks</i>	Exploring hardware <i>iPads – photos</i>	Introduction to Data	Exploring Hardware <i>Applications</i>
Reception	Computing through continuous provision	Using a computer <i>iPads and Chromebooks</i>	Exploring hardware <i>iPads</i>	All about instructions	Introduction to Data	Programming <i>Beebots</i>
Year 1	Using a computer – skills <i>Chromebooks and Google Classroom</i> <i>Online Safety Unit – Lesson 1</i>	Digital Imagery – Option 1 <i>Google Classroom, slides and docs</i> <i>Online Safety Workshop</i>	Programming 1 – Algorithms (Lessons 1 and 2) <i>Scratch Jr</i> <i>Online Safety Unit – Lesson 2</i>	Skills Showcase – Rocket to the moon <i>Google Suite</i> <i>Online Safety Unit – Lesson 3</i>	Programming 2 <i>Beebots</i> <i>Online Safety Unit – Lesson 4</i>	Introduction to Data <i>Google Suite</i> <i>Online Safety – Lesson 5</i>
Year 2 <i>HowDo Bronze (Summer 2)</i>	Computer Systems (Lesson 1, 2 and 5) <i>Google Suite</i> <i>Online Safety Unit – Lesson 1</i>	Algorithms and Debugging (Lessons 1, 2, 4 and 5) <i>Online Safety Workshop</i>	Data handling (Lessons 1, 3 and 5) <i>Google Sheets and forms</i> <i>Online Safety Unit – Lesson 2</i>	Programming 2 <i>Scratch Jnr</i> <i>Online Safety Unit – Lesson 3</i>	Ped Tech Showcase! <i>Drawing and photos on iPads</i> <i>Online Safety Unit – Lesson 4</i>	Stop Motion – Option 1 <i>iPads</i> <i>Online Safety Unit – Lesson 5</i>

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Year 3 <i>HowDo Bronze</i>	Networks (Lessons 1, 3 and 5) <i>Online Safety Unit – Lesson 1</i>	Programming <i>Scratch</i> <i>Online Safety Workshop</i>	Emailing – Option 1 <i>Google Mail</i> <i>*Online safety further covered in Lessons 4 and 5 of this unit</i>	Ped Tech Showcase! <i>Online Safety Unit – Lesson 2 and 3</i>	Creating Media <i>Google Suite</i> <i>Online Safety Unit – Lesson 4</i>	Data Handling – Option 1 <i>Google Sheets and forms</i> <i>Online Safety Unit – Lesson 5</i>
Year 4 <i>HowDo Bronze skills refresh and Silver</i>	Collaborative Learning 1 <i>Online Safety Unit – Lesson 1</i>	Programming 1 <i>Scratch and Marty Robot</i> <i>Online Safety Workshop</i>	Creating Media – Website Design <i>Google Sites</i> <i>Online Safety Unit – Lesson 2</i>	Programming 2 – Computational Thinking <i>Online Safety Unit – Lesson 3</i>	Data handling <i>Online Safety Unit – Lesson 4</i>	Ped Tech Showcase! <i>Online Safety Unit – Lesson 5</i>
Year 5 <i>HowDo Silver skills refresh</i>	Garage Band – Composing <i>iPads</i> <i>Online Safety Unit – Lesson 1</i>	Programming <i>Micro:Bits</i> <i>Online Safety Workshop</i>	Creating Media NCEE <i>Vector drawings</i> <i>Online Safety Unit – Lesson 2</i>	Data Handling – Mars Rover <i>Online Safety Unit – Lesson 3</i>	Ped Tech Showcase! <i>Online Safety Unit – Lesson 4</i>	Skills – TinkerCad / Mars Rover 2 <i>Chromebooks</i> <i>Online Safety Unit – Lesson 5</i>
Year 6 <i>HowDo Gold</i>	History of Computers (Lessons 3, 4 and 5) <i>Chromebooks</i> <i>Online Safety Unit – Lesson 1 and 2</i>	Teacher Choice – 1) NCEE Tinker Cad unit 2) Skills Showcase – Inventing a project <i>Online Safety Workshop</i>	Programming – Introduction to Python <i>Online Safety Unit – Lesson 3</i>	Teacher Choice– 1) NCEE Webpages 2) Creating Media – Webpages <i>Google Sites</i> <i>Online Safety Unit – Lesson 4</i>	Data Handling <i>Google Sheets</i> <i>Online Safety Unit – Lesson 5</i>	Ped Tech Showcase! <i>Online Safety Unit – Lesson 6</i>