

Computing Curriculum Map

Updated May 2025

| | Theme | Year R | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|--------|--------------------------------|--|---|--|---|---|---|--|
| Autumn | Computing systems and Networks | <p>Technology is used as an integral part of each area of learning, using:</p> <p>PicCollage Chatter Pics Interactive Games Photographs Voice record Online Safety – from ProjectEvolve</p> | <p>Technology around us</p> <p>OS: Self-image and Identity</p> | <p>IT around us</p> <p>OS: Self-image and Identity</p> | <p>Connecting computers</p> <p>OS: Self-image and Identity</p> | <p>The Internet</p> <p>OS: Self-image and Identity</p> | <p>Systems and searching</p> <p>OS: Self-image and Identity</p> | <p>Communication and Collaboration</p> <p>OS: Self-image and Identity</p> |
| | Creating Media | | <p>Digital Painting</p> <p>Online: Paintz.app</p> <p>OS: Online Relationships</p> | <p>Digital photography</p> <p>App: Camera</p> <p>OS: Online Relationships</p> | <p>Stop-frame Animation</p> <p>App: iMotion or Stop Motion</p> <p>OS: Online Relationships</p> | <p>Audio Production</p> <p>App: GarageBand</p> <p>OS: Online Relationships</p> | <p>Video Production</p> <p>App: Camera</p> <p>OS: Online Relationships</p> | <p>Web page creation</p> <p>App: Keynotes</p> <p>OS: Online Relationships</p> |
| Spring | Programming | | <p>A moving robot</p> <p>Hardware: BeeBots</p> <p>OS: Online Reputation</p> | <p>Programming quizzes</p> <p>App: ScratchJr</p> <p>OS: Online Reputation</p> | <p>Sequencing sounds</p> <p>Online: Scratch</p> <p>OS: Online Reputation</p> | <p>Repetition in shapes</p> <p>Online: https://www.j2e.com/logo</p> <p>OS: Online Reputation</p> | <p>Selection in physical computing</p> <p>App: Micro:Bits</p> <p>OS: Online Reputation</p> | <p>Variables in games</p> <p>Online: Scratch</p> <p>OS: Online Reputation</p> |
| | Data and Information | | <p>Grouping Data</p> <p>Unplugged Activity linked to Science</p> <p>OS: Online Bullying</p> | <p>Pictograms</p> <p>App: J2E</p> <p>OS: Online Bullying</p> | <p>Branching databases</p> <p>App: J2E</p> <p>OS: Online Bullying</p> | <p>Data logging</p> <p>App: Arduino SJ</p> <p>OS: Online Bullying</p> | <p>Flat-file databases</p> <p>App: J2E</p> <p>OS: Online Bullying</p> | <p>Introduction to Spreadsheets</p> <p>App: Numbers</p> <p>OS: Online Bullying</p> |
| Summer | Creating Media | | <p>Digital writing</p> <p>App: Book Creator</p> <p>OS: Managing Online information</p> | <p>Digital music</p> <p>Online: Chrome Music Lab</p> <p>OS: Privacy and Security</p> | <p>Desktop publishing</p> <p>App: Pages</p> <p>OS: Managing Online information</p> | <p>Photo Editing</p> <p>App: Camera</p> <p>OS: Privacy and Security</p> | <p>Introduction to vector graphics</p> <p>App: ???</p> <p>OS: Managing Online information</p> | <p>3D Modelling</p> <p>Online: TinkerCad</p> <p>OS: Privacy and Security</p> |
| | Programming | | <p>Programming animations</p> <p>App: ScratchJr</p> <p>OS: Copyright and Ownership</p> | <p>Robot algorithms</p> <p>Hardware: BeeBots</p> <p>OS: Health, well-being and lifestyle</p> | <p>Events and actions in programs</p> <p>Online: Scratch</p> <p>OS: Copyright and Ownership</p> | <p>Repetition in games</p> <p>Online: Scratch</p> <p>OS: Health, well-being and lifestyle</p> | <p>Selection in quizzes</p> <p>Online: Scratch</p> <p>OS: Copyright and Ownership</p> | <p>Sensing movement</p> <p>App: Micro:Bits</p> <p>OS: Health, well-being and lifestyle</p> |