Computing – Progression Map (Years 1–6)

A whole-school Computing progression map covering Digital Literacy, Information Technology, Computer Science (coding) and Online Safety, adapted for SEMH/SEND learners.

Area	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Digital Literacy	Use basic device controls, open apps, type simple words, save work.	Use keyboard/mouse confidently; open/save files; use simple editing tools.	Create documents with images/text; organise files; begin research with support.	Use a range of apps; edit presentations; search with increasing independence.	Combine media (text, image, audio); use cloud-based tools; evaluate information.	Work independently across devices; create structured multimedia projects.
Information Technology	Take photos; record audio; create simple digital art.	Edit photos; add text to images; create short audio sequences.	Create slideshows; add transitions; organise digital folders.	Use digital tools for data (charts, tables); record narration.	Design digital media (posters, videos, animations).	Plan, create and refine multimedia projects for different audiences.
Computer Science (Coding)	Follow simple sequences using toys/apps; understand 'instructions'.	Program simple movement sequences; debug with support.	Use block coding to control characters; create short algorithms.	Use loops, repeats and events in block coding; debug independently.	Use selection/conditions (if/then); create structured programs.	Design, code and debug multi-step programs with sequences, loops and conditions.
Problem Solving	Try simple steps; experiment with cause/effect.	Follow step-by-step instructions; correct simple mistakes.	Break tasks into smaller steps; test and adjust digital work.	Use logical reasoning to predict outcomes; debug multi-step tasks.	Plan digital tasks; troubleshoot errors using strategies.	Apply logical reasoning to complex tasks; evaluate and refine solutions.
Online Safety	Know not to share personal info; ask an adult for help.	Use safe passwords; understand 'kind' behaviour online.	Spot adverts/pop-ups; understand that not everything online is true.	Use safe searching; recognise safe/unhealthy online behaviour.	Protect personal information; understand online identity and consent.	Evaluate online content; understand reporting, privacy and digital footprints.
Communication & Collaboration	Work with a partner using digital tools.	Share devices cooperatively; take turns in digital tasks.	Add comments or voice notes; collaborate on simple projects.	Work on shared documents; contribute digital ideas.	Use collaborative platforms safely and respectfully.	Plan and produce group digital projects with shared responsibilities.