



SEND – Ambition and Access in Computing

Ambition

What are we aiming for pupils with SEND to achieve in Computing?

We have high aspirations for all pupils with SEND and believe that every child can develop the knowledge, skills and confidence needed to thrive in an increasingly digital world. Pupils with SEND are entitled to access the full Computing curriculum, developing computational thinking, digital literacy and online safety alongside their peers. Through ambitious teaching, appropriate support and high expectations, pupils are supported to become confident, independent and responsible users of technology while making progress from their individual starting points.

Access

How do we adapt teaching so pupils with SEND can access and succeed in Computing?

Teaching is adapted through high-quality, inclusive practice, with reasonable adjustments made to meet individual needs. Strategies may include:

- A carefully sequenced curriculum that revisits and builds upon prior learning, reinforcing key vocabulary, knowledge and computing skills.
- Explicit modelling of new skills, with step-by-step demonstrations and opportunities for guided practice before independent application.
- Visual supports, symbols, screenshots, flowcharts and pictorial instructions to aid understanding and reduce cognitive load.
- Pre-teaching and revisiting key vocabulary and concepts where appropriate.
- Chunking learning into manageable steps with clear success criteria.
- Regular check-ins, responsive questioning and immediate feedback to address misconceptions and build confidence.
- Flexible approaches to recording learning, including verbal explanations, practical demonstrations or digital outcomes where appropriate.
- Additional processing time or extended time to complete tasks when required.
- Adapted hardware, software and assistive technology, such as alternative input devices, screen readers, text-to-speech or accessibility settings, where appropriate.
- Opportunities for collaborative learning alongside peers while promoting independence.
- Coding platforms and digital resources selected or adapted to ensure accessibility for all learners.
- Teaching online safety through clear, explicit instruction with opportunities to revisit key messages regularly.
- Consideration of sensory needs, including minimising unnecessary distractions and adapting the learning environment where appropriate.



The aim is for every pupil to access a broad and ambitious Computing curriculum, develop confidence in using technology safely and effectively, and acquire the knowledge and skills needed to succeed in further education and everyday life.