

Computing at Newsham Primary School



The computing and digital tech sector is identified as an area of strategic importance in the North East Strategic Economic Plan, with strong potential for growth due to the North East's existing capabilities and assets. At Newsham, we recognise the importance of ensuring that our students are digitally literate, competent users of physical and software-based computer technology with, above all else, a secure understanding of how to keep themselves and others safe.

The national curriculum for computing in England was introduced by the Department of Education in 2014. The curriculum aims to equip young people with the knowledge, skills and understanding they need to thrive in the digital world of today and the future. The curriculum can be broken down into 3 strands: computer science, information technology and digital literacy, with the aims of the curriculum reflecting this distinction.

The national curriculum for computing aims to ensure all pupils:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation (Computer science)
- can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems (Computer science)
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems (Information technology)
- are responsible, competent, confident and creative users of information and communication technology. (Digital literacy)

To ensure this is achieved, we have developed a bespoke programme consisting of the Teach Computing curriculum, designed by the National Centre for Computing Education, and resources developed with partners at Computing At School.

Our E-Safety provision is provided by ProjectEVOLVE. ProjectEVOLVE resources each of the 330 statements from UK Council for Internet Safety's (UKCIS) framework "Education for a Connected World" with perspectives; research; activities; outcomes; supporting resources and professional development materials.

Their vast library of content is managed by an innovative new engine, designed by the brilliant SWGfL Webteam, that not only makes navigating the content intuitive but allows our staff to personalise the content they create for our children based on the areas of strength and weaknesses of that specific cohort.

The vibrant new content we use has been written by a team of experts at the UK Safer Internet Centre. It's up to date; relevant and engaging and moves online life education into the third decade of the 21st century.