

Computing

Our Curriculum Drivers

Love Reading

World Citizens

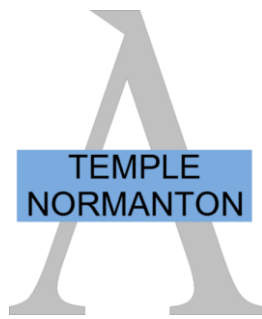
Be Aspirational

Love Reading

Throughout the computing curriculum, children are provided with opportunities to read and learn through reading. The library is stocked with books outlining and explaining how technology has developed, along with biographies of significant computer scientists, such as Alan Turing. Within computing lessons, children are given opportunities to read instructions and additional documents to support their learning and understanding of a variety of concepts and skills.

World Citizens

At Temple Normanton Junior Academy we believe that computing is an integral part of primary education as computers and information technology play a fundamental part in everyday life. It is crucial that children master the skills from an early age and are taught about the importance of being computer-literate in our technologically dependent world. We believe online safety is paramount, and children are offered opportunities to discuss and build awareness of potential risks online. Computing will shape children's future lives and careers and our computing curriculum ensures children become digitally literate – able to use, express themselves and develop their ideas through information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.



Be Aspirational

Computing equips children to use computational thinking (problem-solving, analysing and evaluating) and creativity to understand and change the world. The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. We aim for all children to develop:

- Logical reasoning to explain and understand how already made computer programs and algorithms function
- Adaptability and resilience through writing computer programs which achieve particular goals, including being able to detect their own errors and successfully debug them.
- Effective communication skills through using technological platforms
- Ability to apply their knowledge and skills to other areas
- Ability to use systems respectfully and demonstrate kindness whilst online