

Jesse Gray Primary Computing Policy



January 2023

Head Teacher Signature:	
Date Adopted:	
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JESSE GRAY PRIMARY SCHOOL
Computing Policy

Rationale

At Jesse Gray, we realise computers and technology are now part of everyday life. For most of us, this technology is essential to our lives, at home and at work. 'Computational thinking' is a skill that children must be taught if they are to be ready for the workplace and able to participate effectively in this digital world. At Jesse Gray, children learn how computer systems work; they design and build programs, develop their ideas using technology and create a range of content. Computational thinking is an integral part of all computing lessons at Jesse Gray. It allows us to solve problems, design systems, and understand the power and limits of human and machine intelligence. It is a skill that empowers our children to develop their thinking. Our pupils are able to think computationally, they are therefore better able to conceptualise, understand and use computer-based technology, and so are better prepared for today's world and the future.

Jesse Gray is currently working towards becoming a Dyslexia Friendly School; this allows us to not only meet the needs of children with dyslexia but other pupils within the school; evidence suggests that more children benefit when dyslexia friendly approaches are used throughout the school. All teaching and support staff have received in-school training on dyslexia. We aim to ensure that our school is 'dyslexia friendly' by using a variety of teaching styles and resources.

Purposes

- To use and select technology appropriate to the task,
- To have appropriate skills to use technology to enhance learning across the curriculum.
- To use technology equipment independently, safely and confidently.
- To be able to reflect and comment on the use of technology.
- To be able to identify situations where technology use would be relevant.
- To inspire children to pursue careers in STEM in the future.

Guidelines

- Children will undertake work according to the National Curriculum 2014 computing programmes of study.
- Jesse Gray are following bespoke scheme of work for computing, including coding.
- Children will have opportunities to develop skills in :-
 1. Coding
 2. Communicating information including Internet & email.
 3. Handling & presenting information.
 4. Controlling.
 5. Monitoring.
 6. Modelling.
 7. Video and graphics
- Children will be taught Computing skills as a discrete subject.
- All children will have equal access to Computing resources in school.
- Children will also use computing to support, enhance and develop all aspects of the curriculum.
- Children will develop Computing skills at an appropriate level regardless of race, gender, intellect, emotional or physical difficulties.

Conclusion

As a school that nurtures independent learners, we encourage our children to assess and understand their own ability in Computing. We provide children with a wide range of technologies, open-ended activities and the opportunities to work collaboratively on joint projects. As a dyslexic friendly school that values all learning styles, we provide our children with the opportunities to present the depth of their knowledge, skills and understanding through a variety of media. In computing, children use of a range of applications, such as Google Sites, PicCollage and iMovie as well as a variety of programs, such as Rodocodo, Beebots, Spheros and MicroBits to showcase their learning. This means that when children's English skills are not yet fully developed, children's ability in Computing is not restricted.

For further guidance concerning online safety and acceptable use, please see the appropriate policies.