

St John the Baptist Primary School

RESPECT, RESILIENCE, READINESS

Computing Curriculum Intent Statement

Intent

To enable children to be effective users of technology who can:

- Understand, follow and create algorithms
- Solve problems by evaluating and applying information
- Share ideas through devices in all area of the curriculum
- Stay safe and know how to report any concerns/worries.

At St John the Baptist, we teach a computing curriculum to meet the needs of our children and online safety is of high priority for us.

Implementation

In EYFS, children will be exposed to online safety as they explore the world around them. They will also form an understanding of how technology is a part of their learning every day and develop an understanding of the hardware around them.

In Key stage 1, pupils will learn to understand what algorithms are. They will be taught to create and debug simple programs and use logical reasoning to predict the behaviour of simple programs. They will be shown how to use a range of technology to create, organise, store, edit and retrieve digital content through the use of cameras and iPad cameras. They will be taught to use technology safely and respectfully, keeping personal information private and knowing who to go to for help and support when they have concerns.

In Key stage 2, the children will design, write and debug programs for specific goals, including controlling or simulating physical systems, and will solve problems by breaking them down into smaller parts. They will use sequence, selection and repetition in programs, use logical reasoning to explain how some algorithms work and correct errors in algorithms and programs. Children will be taught to understand computer networks, including the internet and the opportunities they offer for communication and collaboration. They will use search technologies effectively, learn to appreciate how results are ranked and to evaluate the digital content. Children will be taught to select, use and combine software on a range of digital devices. They will use technology safely, respectfully and responsibly, recognising acceptable/unacceptable behaviour and identify a range of ways to report concerns.

Impact

To enable children to be:

READY to join the digital platform of the wider world.

RESPECTFUL of technology and understand how and why it is important to keep safe online.

RESILIENT workers; solving problems, thinking logically and self-evaluating.