Computing through the Early years at St Mary's

The 'Technology' strand has been removed from the 2021 the Early Years Foundation Stage Framework, though it is still expected that children will be introduced to appropriate technology and use it within their provision.

Nursery

By the end of their time in Nursery, children will have had many opportunities to explore computational thinking skills through everyday experiences; for example sequencing and pattern spotting in daily life.

By the end of their time in nursery children will have had opportunities to:

- Operate simple equipment
- Explore technological toys
- Make toys work by pressing parts or lifting flaps
- Talk about how information can be retrieved from computers

Reception

In Reception we build upon the children's understanding of computing and computational thinking through:

Sequencing and Ordering

We further develop an understanding of **sequencing** through daily routines including morning and afternoon, photographic timetables, through talking about days of the week and what we do on those days, by talking about today and tomorrow, through seasons and months of the year and birthdays.

Algorithms

We develop our understanding of **algorithms** at a preliminary level by following and giving instructions, such as following recipes.

Pattern Seeking

We develop our understanding of **Patterns** by exploring repeating patterns and looking for them in the environment.

Debugging and **Tinkering**

We begin to **debug and tinker** in our daily lives by spotting and solving problems when playing, especially when playing with construction toys.

By the end of their time in Reception children will have had opportunities to:

- Talk about technology that is used at home and school
- Interact with age appropriate software
- Demonstrate their understanding of technology through role play
- Complete a simple game on a computer or iPad