



# St Joseph's Catholic Primary School

## Whole School Approach to Teaching Computing



### Our approach to teaching Computing is:

- Internet safety is explicitly taught and embedded throughout all lessons
- stimulus linked to real-life use of technology
- explicit teaching and practising of new knowledge and skills
- application of knowledge and skills to deepen understanding
- evaluation of final outcome
- cross-curricular use of Computing skills is embedded



### Further Explanation Behind the Approach

Before any sequence of lessons begin, **internet safety is explicitly taught** giving children the tools and understanding they need to keep themselves safe whilst using the internet both at school and at home. This is then **embedded throughout all computing lessons**.

Teachers will start with a **stimulus linked to real-life uses of technology**, e.g. through web design, children will look at live websites, for iMovie, children will watch a weather report to see the use of green screen. This will engage the children, showing them how what they will be learning is relevant to them and the wider world.

Children are **explicitly taught new knowledge and skills** within the programme or application they are using, e.g. Keynote, Google Sites. Children have time to practise these to develop confidence and fluency within the programme/application. Once confident, they then **apply new knowledge and skills** to complete a project. Wherever possible, these projects are linked to the half term theme which allows for further depth in learning across the curriculum.

Throughout their project, children have time to *debug* their work (checking for mistakes/errors and correcting them) before a final evaluation at the end of the project.

Computing skills are also embedded across the curriculum to further deepen learning, for example, using technology to research, to communicate and present ideas/findings etc.

*All learning will be differentiated to suit the individual needs of children. This includes regression and progression of skills to support and challenge and is linked to individual and group ability within PE. We also differentiate linked to individual SEND needs e.g. simple TOP TIPS when giving instructions to support children with low processing and memory skills.*