

St Joseph's RC Middle School

Computing Curriculum

COMPUTING

The three aims we hope to achieve, by incorporating ICT into the curriculum at St. Joseph's are:-

1. To extend and enhance learning in all areas of the curriculum.
2. To help all children to develop their ICT capability, i.e. to build confidence in the use of ICT by:
 - selecting and using ICT according to the task
 - identifying areas where the use of ICT would be relevant
 - assessing the limitations and effects of ICT
 - understanding how ICT affects our lives.
3. To challenge and stimulate all children in order to fulfil their potential, whatever their age, gender or intellectual level.

In Y5 and Y6 pupils experience a wide variety of software to prepare them for more complex project work at KS3 including computer science.

Y5

- Pupils experience a foundation in using Microsoft Office software including the basic uses of Word, Publisher, XL and PowerPoint.
- Pupils focus on graphics to produce a poster which identifies the external components of a computer system.
- Pupils write their own algorithm in order to help them program a computer to write their initials using co-ordinates.
- Pupils gather data to be analysed using 'Inspire data' database software.

Y6

- Pupils work on a complex project 'All about me', where they create a PowerPoint slideshow which includes: combining different types of files, file conversion for compatibility, crediting images, computer aided design, animation and converting analogue images to digital.
- E-Card Project - pupils will design an algorithm to help plan an e-card which will include programmed movement and text.
- Spreadsheet Party Plan Project – pupils learn how to use spreadsheets to manage costs. They also design an invitation using the software of their choice.