



GREAT KIMBLE
C OF E SCHOOL
BIG HEARTS BOLD FUTURES

Computing Curriculum Statement

Intent

Through our Computing curriculum, we nurture **big hearts and bold futures** by inspiring a love of computing and digital technology. We encourage curiosity, creativity and enthusiasm as pupils explore how technology can be used to make a positive difference. Using Kapow Primary's Computing scheme, we foster enjoyment and confidence while helping children appreciate the wide range of opportunities technology offers to create, manage, organise and collaborate. Tinkering with software and programs is central to our ethos, enabling pupils to develop resilience, independence and confidence when encountering new technologies. Through our curriculum, we aim to equip pupils with the digital competence and transferable skills needed for an ever-changing future, while also developing **big hearts** through responsible, respectful and safe online behaviour. In doing so, we prepare our children for **bold futures** as thoughtful, capable and responsible digital citizens.

Our computing curriculum covers the four key areas, as outlined in the National Curriculum:

- Computer science: understanding and applying the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- Information technology: evaluating and applying information technology, including new or unfamiliar technologies, and solving problems analytically
- Digital literacy: analysing problems in computational terms, and having repeated practical experience of writing computer programs in order to solve such problems
- Online safety: providing the children with guidance that prepares them to live safely in the digital world around them.

Implementation - see Kapow three Is for further information

- Delivered through weekly 1 hour slots
- Taught within other curriculum areas
- Taught through the Kapow curriculum – adapted to fit Year A and B mixed classes
- E safety is taught as stand alone units over the year but also features during E safety week and L4L lessons
- Pupils have access to computing equipment
- Use of Microsoft accounts to save work

Impact

The implementation of this curriculum ensures that, when children leave Great Kimble Church of England School, they are competent and safe users of IT with an understanding of how technology works. Much of the subject-specific knowledge developed in our computing lessons equips pupils with experiences which will benefit them in secondary school, further education and future workplaces. They will have developed skills to express themselves and be equipped to apply their skills in computing to different challenges allowing them to pursue a wide range of interests and vocations in the next stage of their lives.



AMBITION



RESPECT



RESILIENCE



LOVE



COLLABORATION

