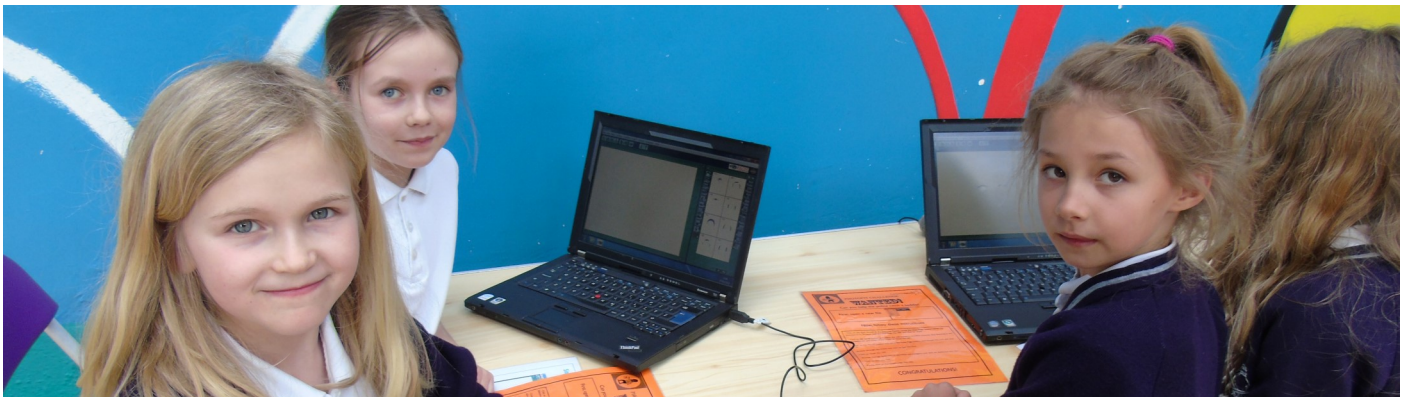
BISHOP ROAD

PRIMARY SCHOOL

COMPUTING

CURRICULUM STATEMENT

To develop children's understanding and experiences of computing science, information technology and their role as a digital citizen in a global world.



WHAT DOES COMPUTING LOOK LIKE AT BISHOP ROAD?

- Children will take part in a range of activities, covering IT (use of technology), computer science (understanding coding and programming), and digital literacy (how to behave online)
- Some activities will be 'unplugged', meaning they do not require use of any technology, and others will utilise technology, including iPads and the school laptops

ENRICHMENT OPPORTUNITIES:

At Bishop Road all the children will benefit from an exciting range of trips and visits. As part of computing at Bishop Road, children will visit 'We the Curious' as a year group. The school will also host a 'Computer Xplorers' Computer Fair, and every year we celebrate Safer Internet Week with a week of activities.

CONTRIBUTING THROUGH COMPUTING

We believe that everybody plays an essential role in their community and it is important that we teach children how to contribute. In computing, children are taught how computing can be used to create different media and art, and how computers and technology can help us in our every day life.

ESSENTIAL CHARACTERISTICS OF COMPUTING

- An understanding of how the internet impacts people's lives and how to be a responsible digital citizen.
- The ability to use technology creatively to compose different media projects, such as films, audio recordings and photography.
- The ability to logically work through a given task efficiently, and reflect on how you could have approached the problem differently.
- The ability to solve problems in a computational way, by breaking tasks into smaller parts and identifying bugs or problems.
- An awareness of how to stay safe online, and a knowledge of what to do if you feel unsafe when using the internet.
- A confidence with how to use hardware, such as the ability to type efficiently, save and retrieve files.
- A passion for the subject and knowledge of software and hardware, and how they are used in the real world.

CURRICULUM COVERAGE

YEAR	AUTUMN	SPRING	SUMMER
1	Digital literacy: keeping information safe	Computer science: to write a logical sequence and make predictions	Information technology: To take photos by framing shots and thinking about composition
2	Digital literacy: using the internet to communicate with people	Computer science: I can use quantitative instructions to write a program	Information technology: To make an animation
3	Digital literacy: cyberbullying	Computer science: to write a program that achieves a specific goal	Information technology: to make an animation
4	Digital literacy: permission to use photos/data of other people	Computer science: to debug programs	Information technology: to create a short film
5	Digital literacy: to know what information is suitable to put on a personal profile	Computer science: to write programs using variables	Information technology: to create a blog for a specific purpose
6	Digital literacy: to be a positive digital citizen	Computer science: to explain and summarise complex programs written for a specific goal	Information technology: to produce and deliver a multimedia presentation on a given topic