

**COOMBE BISSETT CoE PRIMARY SCHOOL
CURRICULUM STATEMENT FOR COMPUTING**

VISION	VALUES	
<p>Together we can: “Soar on wings like eagles, Run and not grow weary, Walk and not be faint.” Isaiah 40:31</p>	<p>Care (love & service) Commitment (friendship & respect) Creativity (solving problems & doing your best)</p>	<p>Belief (trust & hope) Bravery (courage & justice) Brilliance (wisdom & truth)</p>

COMPUTING

“There is no more important issue facing education, or humanity at large, than the fast approaching revolution in Artificial Intelligence or AI.” Sir Antony Seldon, 2018

Intent

As we move towards this 4th revolution in education, understanding and moulding the world of Computing has never been more important. At Coombe Bissett, we share the view of Dr Bill Mitchell (Director of Education at the British Computer Society) that the reasons for teaching computing are the same as those for teaching anything. There are many definitions, descriptions and depictions of how we choose what to teach our learners. We teach them the knowledge and skills that we believe will enable them to make sense of and contribute to their world.

“We need technology in every classroom and in every student and teacher’s hand, because it is the pen and paper of our time, and it is the lens through which we experience much of our world.” - David Warlick.

Computers are part of everyday life – technology is essential to our lives, at home and at work. ‘Computational thinking’ is a skill that children must be taught if they are to be ready for the workplace and able to participate effectively in this digital world.

At Coombe Bissett, we want our learners to use computational thinking and creativity to understand and change the world. We want to empower them to be active participants in our digital world. We will equip them to be digital citizens, digital creators, digital communicators and digital investigators. We aim to grow problem solvers, careful sequence checkers, creative thinkers and logical predictors. We must provide an equality of opportunity across both gender and background; computational thinking is not the province of any one type of person – it is fundamental to the shared experience of us all. All Coombe Bissett children will be guided on how to become global citizens in a safe and responsible way. They will need to be able to thrive in an ever-changing landscape, particularly when we consider that our pupils will graduate in the mid 2030’s and their careers will last through to 2060 and beyond.

Implementation

- Use the Purple Mash scheme of work for computing
- Use online resources to support the learning in other subjects – such as Espresso, 1st News, the internet as a search tool
- Use laptops, i-pads to record and present information
- Use specific technology tools such as digi-microphones, digi-cameras, floor robots, etc