

Computing

"St. Budeaux CE Primary Academy is committed to nurturing musical talent, fostering creativity, and celebrating the joy of music."

At St. Budeaux CE Primary Academy we understand the immense value that technology plays not only in supporting the Computing and whole school curriculum but overall in the day-to-day life of our school. Our aims are to fulfil the requirements of the National Curriculum for Computing whilst also providing enhanced collaborative learning opportunities, engagement in rich content and supporting pupil's conceptual understanding of new concepts which support the needs of all our pupils.



Intent



Deliver a curriculum which is **exciting** and **progressive**.

To enable children to be responsible, competent, confident and creative users of information and communication technology.



To know how to keep themselves safe whilst using technology and on the internet and be able to minimise risk to themselves and others.



To enable children to make **purposeful links** across the curriculum in subjects such as maths, science and geography to strengthen and transfer



Develop the ability to **ask meaningful questions**, analyse problems in computational terms, and have repeated practical experience writing computer programs in order to solve such problems.



We promote **equality and diversity** and challenge **stereotypes** through different computer programs and lessons.



Implementation

Sequence

We use and follow the Teach Computing scheme of work from Year 1-6, ensuring consistency and progression throughout the school. The scheme of work enables clear coverage of the computing curriculum, lessons are broken down into weekly units, usually with two units taught per half term. Units are practical and engaging and allow computing lessons to be hands on. Units cover a broad range of computing components such as coding, spreadsheets, Internet and Databases, Communication networks, touch typing, animation and online safety. When teaching computing teachers can follow the children's interests to ensure their learning is engaging, broad and balanced.



Computer Skills

At St Budeaux CE Primary, children are exposed to and encouraged to engage with ICT and technology outside of school. Each teacher and pupil at St Budeaux CE Primary has their own unique login and password. Computing work is stored and saved using pupil log in details and using MyMaths and Google Classrooms, homework can also be set for pupils to access and complete tasks at home that link with their current class learning. Additional to all pupils studying an online safety unit through their computing lessons, every year we also take part in National Safer Internet Day in February. The Computing subject leader, alongside class teachers, will plan additional internet safety lessons and activities.

Early Years

In Reception class, children use ICT to explore and learn in a fun and interactive way. Through age-appropriate games and activities on computers and interactive white boards, they develop basic skills like recognizing letters and numbers, solving simple puzzles, and exploring creative tools like drawing apps. Children are encouraged to engage in role using defunct ICT, this helps them learn how technology works while enhancing their learning and supporting their curiosity and creativity in a safe environment.

Developing curiosity and social capital.

The teacher encourages children to ask questions, supporting an open dialogue which embeds understanding and curiosity. We develop social capital through different mediums and exposing children to a range of technology so that they can experience different cultures, inventions and structures from around the world.

Developing reading and vocabulary

Within each unit, subject specific vocabulary is explicitly taught, and children then apply this to their learning. This allows children to talk confidently about technology and use the correct vocabulary when describing. ICT is also used to promote students use of web-based vocabulary tools and increase students volume of reading and incidental word learning.



Retrieval practice and metacognition

In order for children to 'know more and do more' and retain the key performance indicators of each topic, we will use a range of retrieval activities and opportunities to revisit and recap previous learning and build on it. Our curriculum is designed to build on previous years' units of work to enable children's ICT skills to progress as they journey through our school. to



Impact

Finding the right balance with technology is key to an effective education and a healthy life-style. Pupils showcase, share, celebrate and publish their work to best show the impact of our curriculum. We also look for evidence through reviewing pupil's knowledge and skills digitally through tools like Google Drive and observing learning regularly

