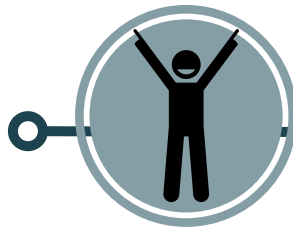# Computing

AT BROUGHTON PRIMARY SCHOOL, WE WANT OUR CHILDREN TO BE MASTERS OF TECHNOLOGY AND USE IT RESPECTFULLY AND SAFELY.

Intent

WE AIM TO:

- To instil an enthusiasm and appreciation of computing.
- To provide a safe space for children to navigate and interact with the digital world.
- To have respectful and responsible digital citizens who respect their own safety as well as that of others..
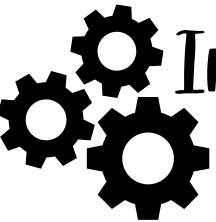- To support children to become competent computational thinkers.
- To prepare children for life in a digital world.
- To give children the opportunity to apply their skills across the curriculum.

Implementation

HOW DO WE ACHIEVE THIS?

Our Approach:

We are aware that the world we are preparing our children for is a one filled with technology. We think about how they will use it in their jobs, for socialising, for fun and recognise that we are responsible for helping them learn to use it safely. Safety is our main concern be that with what they are accessing, or what they are sharing. We aim as a school to develop their awareness of their digital footprint and the impact they can have.

We focus on the three key main areas in computing: digital literacy, computer science and information technology. We make sure these are covered throughout each year group and that the children are building on their skills year by year.

Our Lessons:

At Broughton Primary School, we follow the Teach Computing scheme of learning which is subsidised with other resources relevant to the topic from sites such as: Project Evolve, Google and Barefoot Computing. We teach on a rolling programme, due to our changing year groups, which ensures that all children have the chance to access all the units and progress.

You will also see Computing lessons taking place across the curriculum and not just as stand alone lessons.. You may see graph making in Maths, presentations in History, CAD in DT lessons or data logging in Science lessons.

Our Resources:

We are a well resourced school and, during the different units, children have access to different types of equipment such as: laptops, PCs, iPads, Beebots, physical computing kits and a variety of apps such as data loggers. The children are taught to respect and look after the equipment provided and expected to manage the equipment themselves by putting them on charge or reporting them as broken. We are constantly trying to keep up with the speed of technology and we make sure the children have access to up to date equipment when we can.

Curriculum Enrichment

Computing is a subject that can be used right the way through the curriculum from maths to art. We like to make sure that we use computing to enrich the other subjects and bring them to life.

We offer coding clubs that provide children who are interested in the topic a chance to work in smaller groups with our equipment and we have had STEM clubs in school from outside providers.

Our Lessons

Lessons will look different right the way through the school and they will vary depending on the area of computing pupils are exploring. Tasks will include a mixture of independent, group work and teacher led activities. Sometimes the children will be exploring concepts of computing through 'unplugged' activities before exploring them using the equipment - not all computing is done on computers! Lessons are fun and engaging and computing is a subject all children look forward to in school.
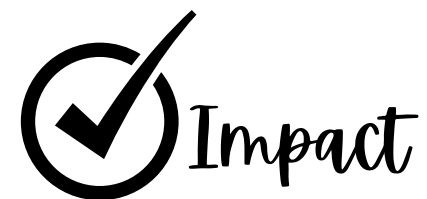
CPD

All staff in school will receive support from the subject lead in staff meetings throughout the year. The subject lead attends numerous courses and meetings throughout the year from the NCCE and the local computing hub. Extra training is available using the National College programme we are apart of in school and additional training is pointed out to staff by the subject lead.

Online Safety

Online safety is at the centre of our computing curriculum here at Broughton Primary School. Although we do celebrate internet safety day, it is not something we think can be covered only once a year. It is weaved into every unit that we teach in some way, the children are consistently reminded of what they need to do to remain safe in school and how they can apply it at home. Our teaching of internet safety is supported by our PSHE scheme, jigsaw, reinforcing the importance of it to children.

Every half term, we have a shared E-Safety focus and teachers lead lessons based on that area. We use Project Evolve as a basis for planning and tailor it to their own classes.

We also provide children with a safe space to explore digital communication safely using Seesaw where they can post monitored updates to their friends, add comments, like and share whatever they like.

Home - School Relationship

We want to make sure that our parents feel supported also so we make sure to share important updates on Facebook in relation to any online/digital news that may be pertinent to the safety of their child.

We invite parents in to discuss keeping their children safe at home with technology, allowing them to ask questions or request help.

Impact

HOW DO WE KNOW WE HAVE ACHIEVED THIS?

Children are excited about computing and enthusiastic about lessons.	We have children that respect the online world and how to interact with it.	Children are responsible about and value their own safety.	Children are resilient problem solvers and can apply their skills to debugging scenarios.	Children are prepared for life in a digital world. They apply the skills they have learned in lessons at home.	Computing is integrated across the curriculum.