

Why we teach computing

Our aim is to provide an ICT rich environment which allows pupils to gain the confidence and ability to prepare them for the challenge of a rapidly developing and changing technological world

Through the programme of study for computing, children at the Croft learn the fundamental principles and processes of computation; they gain repeated, practical experience of:

- writing code to solve problems and to model systems;
- become skilled at creating high quality products and content using digital technology;
- become safe, responsible and critical users of technology.
- be introduced to new and unfamiliar technologies.

We feel ICT is an integral part of the modern world and the use of **ICT** adds value to **teaching** and learning, by enhancing the effectiveness of their learning.

It helps to increase learner motivation and engagement

The Computing Curriculum At The Croft

At The Croft the computing curriculum is delivered by several methods. Firstly every class has a dedicated computing lesson each week that is delivered through our purple mash scheme Teachers plan additional ICT activities using National Curriculum objectives and these are integrated into each classes termly topic - the children will be given the opportunity to

- Use a range of specific Apps such as book creator and movie iplayer to record information in different ways
- Display work using Pic collage presenting specific topic based research
- Use maths based programs (TT rockstars) as part of our times tables curriculum

Links to the wider community

With the ever widening availability of a variety of social media sites the Croft offer and increasing number of parent workshops (lead by the NSPCC) highlighting the possible dangers and areas of concern.

The Croft Primary
School
Intent, Implementation &
Impact For Computing

Links to whole school improvement

The development of Computing education at The Croft feeds into the SDP target of reviewing the wider curriculum to ensure that we provide a broad range of experiences for the children.

Through computing we can ensure we promote children's positive mental wellbeing - offering the children opportunities to succeed in other areas of the curriculum.

Each year the subject coordinator for computing will:

- devise an action plan to ensure that a good quality teaching & learning is taking place.
- the new curriculum resources are analysed, assessed and adapted to suit the year groups
- support staff in the delivery of objectives

Outcomes

When they leave The Croft the children should be able to:

- Be digitally literate
- To understand the fundamental principles and concepts including: computer science, abstraction, logic, algorithms and data representation
- Analyse problems in computational terms
- Have practical experience of writing programs
- Can evaluate and apply new and unfamiliar technologies
- Are responsible, competent and creative users

We want the children to leave our school being confident users of ICT.