

Computing

Curriculum Intent

At Bressingham Primary School, we understand the role that technology plays within the day-to-day life of the school and also in pupil's lives as they grow older. We aim to equip children with the skills they need to be able to use this technology safely, whilst developing their computer science knowledge, digital literacy and information technology skills. These skills are built upon in a range of contexts and with increasing complexity. In Key Stage 1, children are taught a range of basic computer skills and they develop these through exploration of different computer programmes and use technology to present their ideas. In Key Stage 2, children develop the skills from Key Stage 1 further. They begin to make their own code, to run simulations and programmes and use debugging skills to improve their work.

Our ethos through everything...



The poster features a yellow background with a central vertical column of six colored boxes, each containing an acorn icon and a letter. To the right of the top two boxes is the school's circular logo, which depicts a tree and the text 'BRESSINGHAM PRIMARY SCHOOL'. Below the logo is the motto 'From tiny acorns, mighty oaks grow'.

Our AMAZING ACORN Agreements

From tiny acorns, mighty oaks grow

- A** We **aspire to achieve**
- C** We are **kind and collaborative**
- O** We are **open and honest**
- R** We **respect** ourselves, others, property, and the environment; we listen, we are gentle
- N** We welcome **new opportunities**
- S** We develop our **super learning powers** (we are resilient, resourceful, reflective and reciprocal)

Characteristics of a Computer Scientist

- Competence in coding for a variety of practical and inventive purposes, including the application of ideas within other subjects.
- The ability to connect with others safely and respectfully, understanding the need to act within the law and with moral and ethical integrity.
- An understanding of the connected nature of devices.
- The ability to communicate ideas well by using applications and devices throughout the curriculum.
- The ability to collect, organise and manipulate data effectively.

Implementation

We use Purple Mash to deliver the National Curriculum objectives. Our pupils should be able to organise their knowledge, skills and understanding around the following threshold concepts:

- Computer Science
- Information Technology
- Digital Literacy

Impact

Our assessment systems enable teachers to make informed judgements about the depth of their learning and the progress they have made over time. Teachers assess children at the end of each unit and this is monitored by the senior leadership team and subject leader.