## Computing Leader

Mr Howard is the Computing coordinator at Holly. He is responsible for developing the Computing curriculum and delivering training on Computing planning and teaching across the school.

## Curriculum Intent

- Practice safe, sensible and responsible behaviour in the digital world.
- Participate with others in problem solving using collaboration, computational skills, different devices and a range of scenarios.
- Produce and present a range of ideas and communicate them effectively.
- Prepare to be discerning and even critical about how they, their friends, their family and wider society interacts and uses technology.

## Online Safety

Safety is of paramount importance, especially in the digital world. Our children have regular exposure to a range of online safety lessons and assemblies providing them with an extensive toolkit to keep them safe online.

Technology plays such a significant role in society today and we believe our children must learn a range of computational skills to participate safely and successfully in our ever-changing digital world. The high-quality computing education we deliver at Holly Primary School has links with design technology, mathematics, science, and provides insights into both natural and artificial systems. Our children become digitally literate and are able to express themselves and develop their ideas to be both content producers and critical, informed consumers.

Our children leave us able to navigate the digital world safely and responsibly; use block coding in complex algorithms; deliver presentations using a range of software; produce digital content such as online books, movies and data representations. Pupils experience a wide range of technology, including laptops, Chromebooks, iPads, interactive whiteboards and a range of digital toys, from the much-loved BeeBots to sets of Lego WeDo2.

## Computing Skills

Throughout school, our teachers will be focusing on teaching the following skill areas:

- Staying safe in a digital world
- Computational thinking
- Coding & Algorithms
- Digital presentation
- Data representation

## Curriculum Design

We teach children a knowledge-rich curriculum that is ambitious and designed to build-in knowledge content as children progress through school. The computing curriculum has been compiled from a variety of sources including nationally recognised computing organisations and child safety bodies such as NCA, CEOP and the NSPCC.

## Wider School Curriculum

**Computing skills are taught discretely with the expectation that the skills, once learnt, are put into practice and developed further across work in other themes and subjects.**