



ACE'S Spotlight on a Subject

Spring Term 2025 Computing

How is computing taught at ACE?

Through the teaching of computing we aim to prepare our learners for their future by giving them the opportunities to gain knowledge and develop skills that will equip them for an ever changing digital world. Knowledge and understanding of ICT is of increasing importance for children's future both at home and for employment. Our computing curriculum focuses on a progression of skills in digital literacy, computer science, information technology and online safety to ensure that children become competent in safely using, as well as understanding, technology. These strands are revisited repeatedly through a range of themes during children's time in school to ensure the learning is embedded and skills are successfully developed.

Recent Learning in the Infants



Year 1 have been learning how to use a range of tools for digital painting. They have then used these tools to create their own digital paintings, gaining inspiration from a range of artists' work.



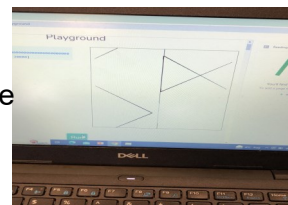
Year 2 have been using Bee-Bots (small programmable robots) to help develop their understanding of instructions in sequences and the use of logical reasoning to predict outcomes.

Recent Learning in the Juniors



Year 3 have been using Scratch and have been introduced to a selection of motion, sound, and event blocks which they have used to create their own programs, featuring sequences.

Year 4 have been using a text based programming language called Logo to create shapes and patterns.



Year 5 have been learning how to create their own videos using iMovie. They have developed skills in capturing, editing and manipulating video.

Year 6 have also been using the block-based visual programming language 'Scratch' to explore the concept of variables in programming.



How can you support your child with computing at home?

Talk to your children about how they can keep safe when using the internet including where they can go for help if they have problems. Make sure you understand the privacy settings on the devices that your children use and try to have an open dialogue about what your children uses the internet for.

The vast majority of the software the children use to support them in their learning at school is available for free online and can be accessed at home. This includes Scratch and Scratch Jr, Tinkercad, iMovie, Chrome Music Lab, Google Slides and Google Sites. Keep an eye out for your child's curriculum overview so you are aware of what your child is learning in computing throughout the year.