Computing at d'Auvergne

At d'Auvergne, we aim to teach an inspiring and engaging curriculum that enables our children to become 'Fit for the Future'. With the technology and learning environment we provide; we believe our children will have the confidence and ability to develop their skills and understanding when meeting new challenges – especially in computing.

We understand that computing is a key part of our everyday lives and will be a big part of our children's futures and possibly their careers. Therefore, all pupils must gain the confidence and ability they need in this subject to prepare them for the challenge of a rapidly developing and changing technological world. We aim to use computing where appropriate to motivate and inspire pupils but also raise standards across the curriculum. Therefore, we try to ensure all our teachers and staff have the necessary training to deliver an up-to-date and engaging curriculum.

As a school, we cover the four strands of computing: Programming and Coding, E-Safety, Digital Literacy and Creating Media. Summer Term One will be in a sequential style whereby Years 1, 3 and 5 will look at Digital Media and Years 2, 4 and 6 will focus upon Data Handling. This allows revisiting over time and embedding of the learning. Children develop skills and enthusiasm for computer programming through direct coding lessons using the National Centre for Computing, focussing upon Scratch across the school. These lessons are enhanced by our current cooperation with PWC Hive Hackers, who offer a creative dynamic to coding through their wealth of experience for Years 3 and 6.

At d'Auvergne, we aim to embed many key computing skills across the curriculum by providing our children with opportunities to apply and consolidate their capabilities across different subjects and contexts. This cross-curricular approach is made easy and engaging due to the abundance of technology the children at d'Auvergne have access to.

Currently, in Key Stage 1, our children use iPads to access a variety of online learning tools. However, they also have access to PCs to encourage the use of hardware, such as keyboards and mice. In Key Stage 2, each child has their own laptop to engage in online learning tools; enhance their home learning and encourage their confidence

using technology. Our use of ICT across the school enhances and extends children's learning across the whole curriculum.

More specifically, in our MakerSpace, children combine their expert computing knowledge with their constantly developing Design Technology skills. Our children often create intricate, detailed designs on laptops and iPads, and can then make their creations come to life using our 3D laser cutter.

Computing is an exciting and rich part of the curriculum. At d'Auvergne, we want our children to be active online but more importantly, be safely guided through this learning journey, and thereby confident in taking this journey onwards. At the heart of the computing curriculum is a collective responsibility to keep children safe while using online resources. We want to empower d'Auvergne children to make informed, conscious decisions about what they do and access online.