



## **Computing Intent**

Our aim at Burlington Junior School is to ensure pupils are equipped with the skills, knowledge and understanding to be confident learners. A significant factor in this is the ability to use a range of technology and software competently, as we are living in an increasingly technological age. To help pupils achieve this, they are given the opportunity to develop their computing skills through the use of 'Purple Mash.' Through 'Purple Mash' we equip children to participate in this rapidly-changing world where work and leisure activities are increasingly transformed by technology. It is our intention to enable children to find, explore, analyse, exchange and present information providing them with skills to deal with their future careers. We also focus on developing the skills necessary for children to be able to use information in a safe and effective way. Furthermore, Computing skills are a major factor in enabling children to be creative, independent and confident learners and it is our intention that children have every opportunity available to allow them to achieve this.

To ensure that pupils develop a secure knowledge that they can build on, our Computing curriculum is organised into a progression model that outlines the skills, knowledge and vocabulary to be taught in a sequentially coherent way.

Our Computing curriculum includes the use of the 'Purple Mash' materials (amongst others) and covers three main strands: digital literacy; computer science; e-safety and the use of the internet. When covering this content, the skills needed to present information in different formats (using the Microsoft software, for example) will be taught, as well as other skills such as programming, decoding and debugging as well as how to navigate a web page. The curriculum content will be carefully organised by each year group through a long term plan. Content knowledge, vocabulary and skills will then be planned for at a greater level of detail in the medium term plan.

These skills will then be enhanced further, allowing pupils to apply them when designing and creating their own digital projects.

### **How is our intent implemented in the classroom?**

All learning will start with revisiting prior knowledge and making meaningful connections. Staff will model explicitly the subject-specific vocabulary, knowledge and skills relevant to the learning to allow them to integrate new knowledge into larger concepts.

Consistent learning walls in every classroom provide constant scaffolding for children. Subject specific vocabulary is displayed on displays along with key facts, questions, and model exemplars of the work being taught.

Curriculum quizzes are used to review learning and check that children know more and remember more.



## **Computing Intent**

At Burlington Junior School, we take online safety extremely seriously and have made this a focus within the school. This is to ensure all pupils are aware of how to use technology safely both in and out of school and know who to approach if they have any worries or concerns about anything they have seen online. Online safety is addressed both in lessons and in whole-school assemblies, allowing us to promote healthy attitudes to online activities at an age-appropriate level.

In lessons, computing skills are taught in a cross-curricular way wherever possible. However, to help us deliver appropriate and challenging provision, some content may be delivered in discrete lessons to maximise the pupils' successes when using the necessary software.

Computing assessment is ongoing throughout the relevant units to inform teachers with their planning, lesson activities and differentiation. Summative assessment is completed at the end of each unit where computing objectives have been covered.

### **What is the impact?**

Pupil voice is also used to enable leaders to assess the impact of the computing curriculum and whether pupils have a greater understanding of how to access and use information technology with a greater degree of confidence and competence. All computing work is saved online and is carefully monitored across all year groups once a term.