



Subject Focus- Computing

At Dunham, we offer children a structured series of lessons helping teachers to ensure they have covered the skills needed to fulfil the requirements of National Curriculum. Although there is no longer a strand in the EYFS framework for technology we believe it is important that young children begin to develop their computing skills as early as possible.

The content of our lessons allows for a deep, broad understanding of computing and how it links to and can enhance the lives of children. It offers a range of opportunities for consolidation, challenge and variety. This allows children to apply the fundamental principles and concepts of computer science. They develop analytical problem solving skills and learn to evaluate and apply information technology.

It also allows them to become responsible, confident and creative users of technology.

We use Purple Mash to deliver our computing curriculum. It is used to deliver computing over a two year cycle in mixed ability classes (EYFS, Year 1 and 2, Year 3 and 4, Year 5 and 6). Each lesson is created to inspire pupils to develop a love of the digital world, learn skills to use in their future lives and provide a structure that gives non- specialist teachers the confidence to teach computing effectively.

In EYFS our lessons ensure children develop skills such as problem solving and thoughtful questioning when learning about technology and use it across all areas of learning.

In KS1 and KS2 series of structured lessons develop their understanding of 8 key themes, creating a cyclical route through which pupils develop their knowledge and skills by revisiting and building on previous learning. These areas are :

- Coding and Computational thinking
- Spreadsheets
- Internet and email
- Art and Design
- Music
- Databases and graphing
- Writing and presenting
- Communication and networks

Computing is taught weekly in discrete lessons across the classes to ensure they develop skills they need which they can then apply to other areas of the curriculum. The children also learn Online safety at the start of each year and throughout the year at different times. Online Safety Day is celebrated within school as a reminder of how and why to stay safe.

Learning in computing will be enjoyed across the school and seen in formative and summative assessments. Teachers will have high expectations with the children using digital and technical vocabulary accurately, alongside progression in their technical skills. They will be confident using a range of hardware and software and will produce high- quality purposeful products. The children will see the digital world as part of their lives and extending beyond their classroom. They will become responsible and respectful digital citizens as well as critical thinkers.