



## Computing at Eastfield Primary School

### Eastfield Computing: A Statement of Intent

Our intent for the teaching and learning of Computing is that it should permeate the curriculum seamlessly, allowing our children to learn in creative ways and experiment with new ways of learning, and showing learning. We believe that Computing should be a 'tool' for learning, which children have the opportunity to choose to make use of when they decide to, and which can broaden and deepen the experience of learning.

We aim to enhance teaching and learning throughout the school by fully integrating Computing across all aspects of the curriculum with a broad range of interactive technology.

We also aim to use technology to enhance connections with parents and the extended 'school community'. Finally, we will ensure that children can safeguard themselves effectively through ongoing teaching of E-safety, and striving to be aware of developing technologies in school. Effective Computing will allow our children to develop the necessary digital literacy and technological understanding needed to be a safe and positive digital citizen in the modern world.

### Eastfield Computing: Implementation

At Eastfield, Computing is delivered discretely through a weekly 1-hour lesson by the Computing Leader in Years 1-6. This dedicated time gives the learners ample time to explore new concepts, learn new skills and discover new uses for technology. Computing planning is in line with the National Curriculum – each year group has a half term of programming and a half term of e-safety linked learning, while the rest of the year is structured around digital literacy across a range of media.

To ensure that our learners gain a wide variety of skills and experience with different technologies, we have invested in both Windows-based laptops and iPads and all year groups will use both devices throughout the year. This enables teaching to be both specific to software solutions, and encourages learners to explore different solutions to problems using their broad experiences. The school also takes part in Safer Internet Day, in addition to discrete E-safety teaching, to give a broader understanding of E-safety issues.

Computing progress is measured for each learner through age related expectations that are linked to the learning for each year group. Computing planning is monitored by the Subject Leader termly, and evidence of cross-curricular computing is also collated by the Subject Leader from class teachers each term.

## Eastfield Computing: Impact

The effective teaching of Computing will impact Eastfield learners in these ways:

- They will be digitally literate and able to select from a range of tools and skills to create a digital outcome for a given task.
- They will understand that technology needs to be used with, and treated with, respect.
- They will have an understanding of how the internet works.
- They will understand the benefits and potential dangers of using the internet.
- They will help themselves and others to minimise the risks of being online and know how to manage any potentially dangerous incidents.
- They will understand the power of algorithms and how they impact our daily lives.
- They will be able to take creative approaches towards problem solving and use logical thinking to support their solutions.