

# Computing Subject Statement

## Intent

At Edenham CofE Primary School we instil positive attitudes towards computing and modern technology, by educating them about the technology in the world today and how to use this safely they will develop a love of computing and the opportunities it provides. By introducing our youngest children to aspects of programming and other elements of computing children can develop their own skills and enjoyment of the subject throughout their time at Edennham.

We aim to develop the children's knowledge of how technology can help children discover and reach out to local, wider and global communities, learn about issues that would be otherwise out of reach and help to be able to solve issues aiding children to be functioning citizens in the modern world.

By teaching in this way, children will continually develop their skills and knowledge and provide them with a solid foundation to move on into the wider world having a solid foundation to prepare them for our ever changing world and have the confidence to become independent and solve problems in a range of settings.

## Implementation

Following the scheme 'Kapow Computing' allows us to ensure we teach all areas of computing: Computing systems and networks, programming, data handling, creating media and give children the opportunity to apply what they have learnt in 'skill showcases'. All these areas are taught from EYFS to Year 6 where children have access to a bank of Ipads, laptops and LCD screens. Across KS1 and KS2 they taught are on a 2 year cycle, meaning children can experience and deepen their knowledge and skill set. Where possible links are made to other areas of the curriculum to give learning a clear purpose.

In addition to the scheme we also provide opportunities for children to delve deeper into computing through clubs, activities and events throughout the year. This allows children to experience 3D printing, Lego Mindstorms, and Crumbles for a given purpose.

Each class has a Twitter account which is used with adults to teach children in real life scenarios about the importance of being safe online, and the use of Social Media, this is also the case with the schools YouTube channel. This alongside regular E-Safety themed Collective Worships, constantly educates children around E-safety without cause them alarm or distress and ensuring they are confident to adopt technology into their lives.

## Impact

Each computing session is recorded in the Classes 'Big Book', showing the intention for the session and activities children have completed. Teachers carry out assessment through out the session ensuring they are aware of the children they need to support or challenge. Skill Showcases then allow children to apply their knowledge, and at this point teachers can make an accurate judgement around how well a child has understood the key concepts within that unit.

Computer scientists at Edenham will be able to:

- Use technology confidently and safely
- Use and understand technical vocabulary when discussing computing
- Identify areas of computing in the real world
- Use previously learnt computing skills to solve a given problem