 Computing

Intent:

- To develop a wide range of fundamental skills, knowledge and understanding needed in modern day life.
- To develop 'Computational thinking', a skill that enables effective participation in the digital world.
- To enable pupils to understand and apply the most important principles and concepts of computer science, which include information and computation, how digital systems work, and how to put this knowledge to use through programming.
- Building knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content.
- To ensure pupils become digitally literate.
- To enable pupils to use technology effectively, and express themselves and develop their ideas through, information and communication technology and as active participants in a digital world.
- To ensure pupils are able to use technology safely and appropriately.

Implementation:

- Computing is taught in three areas: Computer Science (CS), Information technology (IT) and Digital Literacy (DL).
- Computing will be taught across each term, and will be linked to class topics where possible.
- All lessons allow the children the opportunity to explore and implement new skills taught.
- Information Technology is used to support both core and foundation subjects.
- E-Safety lessons, relating to relevant topics, are delivered within each year group's curriculum (each classroom has an E-Safety display to support this).
- Throughout units of work teachers will make connections and encourage children to make links between past learning and knowledge or skills being taught.

How are we developing Cultural Capital?

- Children are provided with opportunities and equipment to support and enhance their understanding and learning opportunities.
- Children are exposed to real life scenarios to enhance their experience and develop their understanding of how to deal with online situations.

- Teachers will promote that computing has a positive impact in various situations, when used correctly and appropriately.
- All teachers are passionate that Computing is a subject where all children can achieve and is an integral part in the modern world.
- Children are shown that technology can be used in a range of situations and has many purposes.
- Working with our local computing hub at Carmel College to tap into expertise and share best practice.