# COMPUTING - INTENT

St. Michael's Church of England Primary School
Our school values: Respect • Kindness •Challenge • Forgiveness • Perseverance

Let your light shine

**What we want our children to gain from Computing lessons.**

Our Computing curriculum at St. Michael's is rooted firmly within the National Curriculum Programs of Study and aims to provide a high-quality computing education which provide our pupils with the foundation for understanding the World.  At St. Michael's, we wish to give our pupils the life-skills that will enable them to embrace and utilise new technology in a socially responsible and safe way. We encourage our children to become autonomous, independent users of computing technologies, gaining confidence and enjoyment from their activities so that it is an integral part of their life.

Children will work with a range of algorithms to design, write and debug programmes to accomplish specific goals. They will understand various computer networks including the Internet and the opportunities they offer for communication and collaboration.

Computing is valued as a teaching and learning tool across the curriculum. It is applied to real life situations and is used to create purposeful products. Computing significantly enhances teaching and learning in all subjects by enabling rapid access to knowledge, information and experiences from a wide range of sources.

Internet safety is an integral part of all Computing taught at St. Michael's and we strive to ensure our children use technology safely and respectfully, keeping information private and knowing how to act upon any issue which may arise and know where to go for help.

We want our children to leave primary school excited about the ever-changing technology in our world and be equipped with the skills to use this in their lives.

## BIG IDEAS

**COMMUNICATION** – I can use technology to express myself and present my ideas to others. I also understand how computer networks and the Internet work.

**CODING** – I can use logical thinking to create and debug algorithms and programs.

**E SAFETY** – I can use technology responsibly and know how to stay safe online.

# COMPUTING -IMPLEMENTATION

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**What you will see in our lessons.**

In Computing lessons at St. Michael's, the children will be working from the 'Teach Computing' scheme which is matched to the National Curriculum and adapted where necessary to suit the needs of our children.

Children learn through three broad themes: computing systems and networks, creating media and programming. Themes will be revisited at least once every year and pupils revisit each one through a new unit which consolidates and builds on prior learning.

Children are encouraged to work collaboratively in Computing lessons and are asked a range of open and closed questions. Teachers model learning and then children will be set a range of tasks with the opportunity for challenge or extension. Lessons are of a practical nature and refer back to previous learning where possible. Children use and apply the skills they have and those they are developing to communicate with others and begin programming.

E safety is of paramount importance and is taught every term within our computing lessons. Our PSHE Jigsaw lessons also support our teaching of E Safety and there are many links between these. Teachers ensure that staying safe online is part and parcel of everything we do at St. Michaels and make links with everyday life regularly. We also take part in Internet Safety Day and all classes are involved in different activities linked to this.