



Curriculum Overview: Computing

Holding God's hand,
we grow in faith together,
we dream, believe, achieve.
Following the footsteps of Jesus,
we act with love,
we care for one another
and our world.

NURSERY and RECEPTION		
We use the children's interests as our topics, rooted in familiarity, around the following themes: Me and My Family, Immediate Environment and Everything In It, Community and The Wider World, and Fantasy and Make Believe to teach the seven areas of learning.		
YEAR 1		
AUTUMN	SPRING	SUMMER
Computing Systems and Networks- Improving Mouse Skills Programming 1- Algorithms Unplugged	Skills Showcase- Rocket to the Moon Programming 2- Programming Bee-Bots Creating Media- Digital Imagery	Data Handling- Introduction to Data Online Safety
YEAR 2		
AUTUMN	SPRING	SUMMER
Computing Systems and Networks- What is a Computer? Programming- Algorithms and Debugging	Computing Systems and Networks- Word Processing Programming- Programming Scratch Jr	Creating Media- Stop Motion Data Handling- International Space Station Online Safety
YEAR 3		
AUTUMN	SPRING	SUMMER
Computing Systems and Networks- Networks Programming- Programming Scratch	Computing Systems and Networks- Emailing Computing Systems and Networks- Journey Inside a Computer	Creating Media- Video Trailers Data Handling- Comparison Cards Databases Online Safety
YEAR 4		
AUTUMN	SPRING	SUMMER
Computing Systems and Networks- Collaborative Learning Programming- Further Coding and Scratch	Creating Media- Website Design Skills Showcase- HTML	Programming- Computational Thinking Data Handling- Investigating Weather Online Safety
YEAR 5		
AUTUMN	SPRING	SUMMER
Computing Systems and Networks- Search Engines Programming- Programming Music	Data Handling- Mars Rover 1 Programming- Microbit	Creating Media- Stop Motion Animation Skills Showcase: Mars Rover 2 Online Safety
YEAR 6		
AUTUMN	SPRING	SUMMER
Computing Systems and Networks- Bletchley Park Computing Systems and Networks- AI	Data Handling- Big Data 1 Programming- Intro to Python	Data Handling- Big Data 2 Skills Showcase- Inventing a Product Online Safety