Computing Curriculum

Curriculum Statement of Intent				
Faith	**Core**	**Knowledge and Skills**	**Enriching Experiences**	**Physical, Social & Emotional Health**
Our curriculum is underpinned by Christian values. Our children will have a good understanding of the Christian faith and the faiths of others and will feel informed enough to follow their own beliefs.	Our curriculum ensures every child has a strong command of reading, writing and maths, as a vital foundation for their learning across the whole curriculum, preparing them for the wide world.	Our knowledge rich curriculum, based on the National Curriculum, is planned sequentially and for the acquisition and mastery of skills.	Our curriculum provides enriching experiences that will introduce our children to life beyond our village context.	Our school curriculum facilitates the development of the whole child equipping them with the characteristics, skills and qualities they will need to thrive now and in the future.

Computing Curriculum Statement

- Our Computing curriculum aims to develop the children's digital literacy, so they are able to use, express themselves and develop their ideas through information and communication technology
- We aim to equip our children with the knowledge and skills they need to participate fully and safely in a digital world
- We endeavour to build on our children's previous learning at every stage, in order to develop the core skills of computer science – information and computation, digital systems and programming
- We will provide hands-on, exciting and enriching experiences, through the use of computational thinking and creativity

Aims of Computing

To ensure that all pupils:

- Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- Are responsible, competent, confident and creative users of information and communication technology

Computing

KNOWING

Computing: Past, Present and Future

CREATING

Writing Programmes and Digital Creativity

COMPUTATIONAL THINKING LOGIC COMMUNICATION ALGORITHM REPRESENTATION

Using Software and Hardware

USING

How Technology Works

ANALYSING

E Safety and Debugging

EVALUATING