

INTENT

School Vision:

At Totley All Saints Church of England Primary School, we aim to be an exceptional school with Christian values at the very heart of the community. We are committed to providing a caring environment where every child can thrive & is supported to achieve their unique & amazing potential as a child of God.

Subject Curriculum Vision:

In Computing we aim for all children to understand and apply the fundamental principles and concepts of computer science, so that they can solve problems in computational terms and have practical experience of writing computer programs. We support and nurture our children with their understanding of how to access new or unfamiliar technologies giving them the confidence to independently explore in a safe and knowledgeable way. We aim for all children to aspire to be responsible, competent, confident and creative users of information and communication technology and to use these skills to enrich their lives both now and in the future as well as give them a lifelong enjoyment of the subject.

Our Curriculum for our Context:

Totley All Saints is situated in a semi-rural setting on the edge of the city of Sheffield and close to the Peak District. Our school is a smaller than average school with 212 pupils on roll aged 4-11 yrs. The ratio of girls to boys is higher than the national average & the proportion of pupils eligible for free school meals is much lower than average. A lower than average number of pupils come from minority ethnic backgrounds & the school is predominantly White British. The school now has a near to average number of children categorised as SEN with Support as well as children with a Statement of SEN or EHCP. Pupils typically enter FS2 either below or at least in line with national in Reading, Writing & Maths.

Our Computing Curriculum reflects the ethos & aims of the school as well as the context from which our children derive. This means that our Computing Curriculum provides the necessary building blocks to develop the necessary knowledge & skills, whilst also promoting British Values, healthy lifestyles & mental wellbeing, plus excellent behaviour & attitudes. It is underpinned with a large emphasis on SMSC development, a strong practical outworking for others in line with our Christian ethos, whilst also building character & readiness for the next stages of education & the learning journey beyond.

IMPLEMENTATION

Aims of the National Curriculum:

The aims for Computing in the national curriculum are to promote high standards computer literacy and a broad and varied understanding of all elements of information technology. The national curriculum for Computing aims 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.

Learning Experience	Resources	Links with other Subject Areas
What is the breadth of experience provided for our children?	What resources are used to support the teaching & learning of this subject?	What links are made between this & other subject areas?
<ul style="list-style-type: none"> • Quality First teaching: variety of teaching styles & varied stimulus • Quality Resources: computers, laptops, iPad's, computer software, input and output devices as well as, online resources & programmes • Experiences: Computing Club (run by the children themselves) with Digital Ambassadors • Regular Computing lessons both in the Computing Suite and regular use of hardware within all lessons. 	<ul style="list-style-type: none"> • Child centred and engaging Computing classroom • 31 desktop computers in the Computing Suite • 45 iPads • Beebots & mats • Laptops • Headphones & Microphones • Input and Output devices. 	<p>Links are made with other subject areas wherever possible & Computing skills are often used as a strong part of other subjects through research, word processing, Apps usage & the presentation of information.</p>
Planning & Sequencing of Knowledge & Skills		
See Appendices.		
IMPACT		
Assessment	Monitoring & Evaluation	Long Term Memory
How is this subject assessed?	How do we know we have been successful?	How does this subject impact on long term memory?
<ul style="list-style-type: none"> • Teacher assessment • Observation • Self & peer assessment 	<ul style="list-style-type: none"> • Lesson observations • Work scrutiny • Discussions • Timetables 	<ul style="list-style-type: none"> • Use of IT which becomes second nature as embedded skills • Revision & recapping • Success Criteria • Feedback to children • Repeated recall • Curriculum Displays • Links & connections with other subject areas plus old & new knowledge • Learning Journals • Discussion
Readiness for Next Stage of Education	Promotion of Social Mobility	Promotion of British Values & SMSC
How does this subject prepare our children for the next stage of their educational journey at secondary school & beyond?	How does this subject promote social mobility?	How does this subject promote British Values & SMSC?
We endeavour to ensure that the sequence of content enables our children to progress whilst they are with us, but also to provide the	Our aim is that no child is disadvantaged by their background situation & that, as a school, we provide everything that a child	Through our rich & varied curriculum, we ensure that our children are well equipped for life in modern Britain &, through

building blocks necessary to build on at secondary school & their learning journey beyond. Underlying all of this is our emphasis on Learning Culture which provides the underlying principles of attitude, resilience & character.

needs so that there are no gaps in computational learning. As a result, we ensure that children have a broad range of curriculum experiences, free access to a wide variety of software, multiple opportunities to access computing programming and problem solving so as to create responsible, competent, confident and creative users of ICT.

subject linkage have an excellent understanding of Information & Communication Technology, Democracy, the Rule of Law, Responsibility & Liberty, Mutual Respect plus Tolerance of those of different faiths and beliefs. Our Curriculum is driven by SMSC Development &, as a result, pupils thrive – enjoying their lives, learning & want to make a difference for others.

Appendices

Planning & Sequencing of Knowledge & Skills

How is the subject planned & sequenced in order that our children can progress through the Building Blocks for learning? This may include: Vocabulary, People, Places, Events, Concepts, Skills, Analysis, Evaluation, Problem-solving, Creativity, Independence, etc.