

Old Dalby Church of England Primary School



Computing Policy

Approved by:	Teaching Staff
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Next review due by:	September 2025
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**Kind hearts. Open Minds. Courageous Spirits
Together, we will explore life in all its fullness.**

Our Vision

Kind hearts. Open minds. Courageous spirits.
Together, we will explore life in all its fullness.

This is a promise that we, as a whole school, will educate children to be accepting, thoughtful and courageous. Our pupils will show kindness and love to everyone around them, our pupils will understand, accept and celebrate diversity, they will recognise injustices and speak up when they see them.

This will be achieved through a curriculum based on a skills progression of our eight Christian values. We will ensure that the pupils build the skills to live our values. Our curriculum will provide knowledge of historical and current events to provide our children with context and understanding of the values. Children will learn to challenge what they see as an injustice and seek to right this. They will be ambitious, have the courage of their convictions and be empathetic to others. Through working closely with the local community and church, we will provide a warm, nurturing environment to foster ambition, curiosity, spirituality and love.

“Let us be concerned for one another, to help one another to show love and to do good.”
Hebrews 10:24

This policy is carried out within the context and spirit of the school’s vision and mission statement. It supports and reinforces the aims of Old Dalby C of E Primary School, valuing all children equally whilst ensuring all children achieve their potential.

We ensure that our school:

- Motivates each child so that they develop intellectually, spiritually physically and morally, within a secure and happy working environment
- Challenges children to stand up and speak out when they see injustice
- Provides work within a broad curriculum to develop lively, open and enquiring minds
- Helps children to acquire knowledge and skills relevant to their needs, laying the foundation for the next phase of their education
- Develops an awareness of self, sensitivity to others and acceptance (not tolerance)
- Offers equal opportunities to all pupils throughout the curriculum
- Increases the children’s understanding of, and concern for, the environment and the wider world
- Identifies and monitors the progress of all pupils, ensuring that all children are enabled to achieve their full potential
- Supports the children in their development of morals and Christian values
- Facilitates the development of independent, motivated learners
- Provides a caring and friendly atmosphere, which fosters respect for each other and individual responsibility.

Our children live in an, “...ever changing, modern world.” It is our intent that our school continues to evolve and keep up to date with changes in technology. Our computing curriculum

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is sequenced in a way that builds upon prior knowledge and acknowledges that children are exposed to modern computing, every day in the home.

Intent

At Old Dalby, we believe that learning is a change in long term memory. We believe children learn best by having opportunities to revisit previous learning.

We teach computing regularly, in a sequential fashion so that the children can fully immerse themselves and have opportunities to reflect and build on prior learning. This in turn allows them to make links with learning opportunities yet to come.

The objectives of teaching computing in our school are:

- To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts,
- To use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- To understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
- To use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- To select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

We want children to develop their computing skills and digital literacy by becoming:

- Digital citizens who are safe and responsible
- Digital investigators who can develop their own ideas
- Digital communicators who are digitally literate
- Digital creators who are logical and creative

We believe that our curriculum will allow pupils to fit into and thrive in an increasingly digitalised world, by being tailored around the 5 key computing principals of:

- MULTIMEDIA – Experiencing a richness of opportunities
- TECHNOLOGY IN OUR LIVES – Increase understanding and use of technology
- PROGRAMMING – Building computational thinking through a range of experiences
- HANDLING DATA – Developing in the context of other learning
- E-SAFETY – Increasing responsibility through planned, ongoing learning

As a school, we want to:

- To develop a curriculum which promotes progress and understanding for each child.
- To develop computing knowledge and conceptual understanding through the specific disciplines of computer science, digital literacy and online safety.
- To develop a curriculum which allows children to develop scientific enquiry skills.
- To develop cultural capital to give our students the vital background, knowledge required to be informed and thoughtful members of our communities.
- To give children experiences in a range of topics
- To provide links with our local and wider community to make learning relevant and purposeful

Planning

Our computing curriculum is planned using the following structure;

- Long term National Curriculum expectations as set out in our whole school curriculum coverage document
- Yearly planning documents – Year A and B which set out the key substantive knowledge we want children to learn, topic by topic
- Subject medium-term plans which set out the substantive knowledge in a clear manner. These plans will also identify the disciplinary knowledge – key questions and skills, that will allow the children to learn what they need to know, as well as clearly sequenced activities and relevant assessment tasks. Assessment questions will challenge the children at working towards; yellow, working at; green and greater depth; blue.
- Knowledge organisers, containing relevant substantive knowledge, will be displayed in all classrooms and in KS2, stuck in books for children to refer to.

Assessment

Assessment judgements are informed by a pupil's progress against the objectives laid down in the school's curriculum document. We appreciate that in EYFS and Key Stage 1 the children will have a smaller general knowledge base to draw upon and in key stage 2 we will then expect to see them making more links to prior knowledge, comparing and contrasting as well as evaluating what they have learned.

Teachers will make a judgement of WTS (working towards the expected standard), EXP (Working at the expected standard) or GDS (working at greater depth). Judgements can be based on written work, formal and informal observations, and discussion.

In addition to this, it is intended that children will be able to retrace and recall the key substantive knowledge through their regular curriculum quizzes.

Monitoring

Unit plans, knowledge organisers and medium-term plans are monitored by SLT and the curriculum coordinator with responsibility for the curriculum. Curriculum coverage, including computing, is included in the termly curriculum catch up conversations. Coordinators will undertake regular monitoring tasks in the form of 'book looks' and pupil interviews.

Community

Old Dalby C of E Primary School is proud of our community links, with the value woven through our curriculum. When possible, we like to invite members of our local community to share their experiences and knowledge by visiting classes.

Resources

Each class has access to a class set of ipads, and there are also laptops and PCs available for use around the school. Teachers may also purchase resources through their class budgets. Whole school resources will be purchased through the centralized curriculum budget.

Computing website resources

Link	Information
<u>Scratch</u>	Scratch is an online programming platform
<u>Code</u>	Coding
<u>Common Sense Media</u>	Reviews for what your kids want to watch (before they watch it)
<u>Be Internet Legends</u>	Online Safety
<u>Swiggle</u>	Child friendly search engine
<u>Internet Matters</u>	Online Safety
<u>Internet Matters</u>	Really useful website covering parental controls, apps and all aspects of supporting parents with technology
<u>Net aware</u>	Great website for parents, written by the NSPCC that explains about individual apps and the safety measures they have in place for children
<u>Childline</u>	The website for children to get support themselves
<u>Let's talk about it</u>	Support with radicalisation
<u>Get safe online</u>	More for parents – this site explains how to protect yourself against online fraud – which is an increasing problem.

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Cultural Capital

Children will learn about areas of significant computer literacy using programs that are current and relevant. In addition, they will learn how to stay safe online in a world of ever changing technology where privacy is key.