



Co-headteachers: Kerrie L Clowes MA BA (Hons) PGCE NPQH/ Emma E Doyle BA (Hons) PGCE NPQH

Deputy head: Sarah L Booker BA (Hons) QTS

Assistant head: Joel M Edwards MA BA(Hons) QTS

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Computing Policy

October '25

Review date: October '26



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Our pledge is for every member of our school family to 'gain a heart of wisdom' every day. We aim to live wisely as we **Amaze** with our knowledge, zest for learning and kindness to ourselves and others. We aim to live well as we **Achieve** our full potential in a happy, caring and fully inclusive environment based on the core values of Christianity. We use our wisdom and hearts to **Aspire** to reach great heights as we take flight on our individual journey of endless possibilities.

'Gain a heart of wisdom' Psalm 90 v 12

Amaze. Achieve. Aspire

In Computing, we empower children to 'gain a heart of wisdom' by developing their ability to think critically, act responsibly, and engage creatively with the digital world. Through our Computing curriculum, pupils learn to Amaze with their knowledge of computer science, digital literacy and online safety, cultivating a zest for learning that is both purposeful and ethical. As they Achieve fluency in coding, data handling and digital communication, they grow in confidence and capability within a nurturing, inclusive environment rooted in Christian values. We Aspire for every child to use technology wisely—not just to consume, but to create, collaborate and make thoughtful choices—so they may take flight on their unique journey, equipped with the wisdom to navigate an ever-evolving digital landscape with kindness, integrity and curiosity.



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Aims and objectives

At Harworth Church of England Academy, we aim to prepare our pupils for the future by giving them the opportunities to gain knowledge and develop skills that will equip them for an ever-changing digital world. Our computing curriculum focuses on a progression of skills in digital literacy, online safety, information technology and computer science to ensure that the children become competent in safely using, as well as understanding, modern technology. These core strands are revisited repeatedly through a range of themes during the children's school experience. Our intention is that computing also supports children's creativity and cross curricular learning where the children make connections to further develop their knowledge.

Curriculum

By the end of Key Stage 1 children will be able to:

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs
- use technology purposefully to create, organise, store, manipulate and retrieve digital content
- recognise common uses of information technology beyond school
- use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

By the end of Key Stage 2 children will be able to:

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs



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- 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
- use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- 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
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.
- Understand the concept of AI and the benefits and drawbacks that this can provide.

Computing – Planning and assessment.

In the Foundation Stage 'technology' is no longer a part of the framework. We still ensure that the children experience using a range of digital devices such as iPads and interactive games. The children are also involved with interactive activities on the interactive whiteboard. In addition to this, the children follow a full online safety unit of work to prepare themselves for online work in year one and onwards, as well as developing their safety when online at home.

Throughout Key Stage One and Two the Kapow scheme of work is followed. The scheme ensures that a progression of skills can be seen throughout the year groups and that e-safety is ensured at every step through the guided units of work, as well as being a stand along unit of work that is taught in every year group in every term. The scheme of work is written so that teacher from different skill sets are supported.

The subject is assessed using O'track on a half termly basis. This shows whether or not the children are making acceptable progress throughout each half term or throughout the year. The teacher marks the KnOWLs of the lesson against the curriculum statements to state whether objectives have been met. The teacher also uses assessments/quizzes at the end of each unit of learning to further assess their learning, along with assessing any work that they have completed during the unit which are evidenced on their online portfolios on Seesaw.

Computing opportunities are actively planned into other curriculum areas to enhance the children's learning. The new curriculum provides clear links with Mathematics, Science and Design and technology. We will also ensure computing is used regularly in our Literacy teaching providing extra opportunities for reading and writing through things like talking stories or email. When the children complete an activity that is recorded, a QR code



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is placed into the child's book that can be look at by using an iPad, directing the viewer to their online learning platform.

Internet safety.

All children learn about an online safety element every term in every year group throughout school through the use of the Kapow scheme, this covers curriculum objectives for online safety. All teachers also deliver suitable e-safety learning prior to starting a unit of work (where relevant). All children are made aware that they must tell a teacher or an adult if they encounter any material on the internet that they find uncomfortable. If a child sees something they find upsetting the child's parents will be informed and the website will be logged and reported to the internet service provider. Children will always be supervised and guided to suitable websites when using the internet to ensure incidents like this are kept to a minimum. We take part in an internet safety awareness day each year where the children will be taught how to use the internet correctly within their classes. Parents/carers will also be invited into school to discuss any internet concerns they may have.

See online-safety policy for more in depth information.

School website.

The URL of our school website is <http://www.harworthchurchofenglandacademy.co.uk>

The school website is used to provide accurate up to date information about our school, share what is happening in each class, share resources to enhance the children's learning and celebrate pupil's achievements in our school.

Monitoring and review.

The coordination of the computing curriculum is the responsibility of the coordinator Mr Joel Edwards. His responsibilities include:

Supporting colleagues in their planning, teaching and assessment of the subject.

Reporting to the head teacher on the strengths and weaknesses of the subject.

Review evidence of the children's learning and work.

Update an action plan half termly.

Liaise with the ICT support to keep the technology up to date and running smoothly.

Signed: Joel Edwards

Date: 01.10.25