

Coleshill Church of England Primary School

Inspiring our children to flourish and enjoy 'Life in
all its fullness' (John 10:10)



Computing Policy September 2020

Date adopted by Governing Body:

Reviewer:

Coleshill Church of England Primary School

OUR VISION

Our school's purpose is built upon the fundamental principle that **every child matters to God** and has the right to be treated with dignity, learn about their innate worth and understand their unique value and place in God's world. We provide positive opportunities for all children to experience a community living out Christian values and making choices which lead to **hope, aspiration and fulfilment**.

We believe our school should be **a place where we all want to be**; a place where children feel safe and secure, where God's love is reflected in our care for every individual. We nurture our community, ensuring **children flourish** physically, mentally, emotionally and spiritually thereby achieving their potential. As a church school we find inspiration in the life and teachings of Jesus Christ, celebrating the diversity around and amongst us and applying our understanding of tolerance and respect.

Our curriculum is about **bringing engagement, fun and enthusiasm to learning**. We aspire to provide outstanding educational experiences which will inspire children to develop into lifelong independent learners. **Our high expectations develop character** and pride in our identity as Coleshill Church of England Primary school, preparing every child for their future.

OUR VALUES

HONESTY

With God's love, we are truthful so we can be trusted and grow in wisdom.

"Speak the truth in love." (Ephesians 4: 15)

We want our children to be honest with their words (telling the truth not lies), honest with themselves (have I really given my best?) and honest with their actions.

KINDNESS

With God's love, our words and actions are thoughtful and friendly, so everyone in our community feels welcome.

"Clothe yourselves with kindness, humility, gentleness and patience." (Colossians 3: 12)

We want children at Coleshill to understand that kindness should be offered to all, not just our friends or those who are equally kind to us.

PERSEVERANCE

With God's love, we have the highest expectations of ourselves, so we keep trying even when we find things hard.

"Perseverance (produces) character and character, hope." (Romans 5: 4)

We want children at Coleshill to develop perseverance so that when things get hard they will keep going. If they get stuck they will find another way to solve a problem and for them to understand that to fail isn't the end, it's just the First Attempt In Learning.

RESPECT

With God's love, we care for others, ourselves and our school, so we listen and use good manners.

"In humility, value others above yourselves." (Philippians 2: 3)

We want children at Coleshill to show respect for everyone and everything around them; looking after the things we have and treating others the way we would like to be treated.

SELF-CONTROL

With God's love, we stop and think about our feelings and actions, so we keep ourselves and others learning and safe.

"The Holy Spirit produces this kind of fruit in our lives: love, joy, peace, patience, kindness, goodness, faithfulness, gentleness and self-control." (Galatians 5: 22)

We want children at Coleshill to be able to resist the negative temptations around them and make good decisions; to laugh when it's time to laugh but to work and give their all when it's time to learn.

CURRICULUM INTENT STATEMENT

Please visit the Art and Design page on our website:

Here you will find documents related to this policy, which include:

- Curriculum Intent, Implementation and Impact
- Skills Progression
- Knowledge Progression
- Vocabulary
- Spiritual, Moral, Social and Cultural

Legislation and guidance

This policy reflects the requirements of the National Curriculum programmes of study, which all maintained schools in England must teach. It also reflects requirements for inclusion and equality as set out in the Special Educational Needs and Disability Code of Practice 2014 and Equality Act 2010, and refers to curriculum-related expectations of Governing Boards set out in the Department for Education's Governance Handbook.

This policy sets out Purple Mash School's aims and strategies for the successful delivery of Computing at Coleshill C of E Primary School. This policy should be read in conjunction with other relevant school policies. The policy has been developed by the Computing Leader (Mrs Barlow) in consultation with the Leadership Team and teachers. Guidance from consultants and pupil, parent and staff voice questionnaires have shaped and will continue to help shape this policy. This policy is based on government recommended/statutory programmes of study. Due to the fast pace of technology innovation and constantly emerging trends, it is recommended that this policy is reviewed, at minimum, at the start of every academic cycle.

Curriculum Intent

Coleshill C of E Primary School believes that every child should have the right to a curriculum that champions excellence; supporting pupils in achieving to the very best of their abilities. We understand the immense value technology plays not only in supporting the Computing and whole school curriculum but overall in the day-to-day life of our school. We believe that technology can provide: enhanced collaborative learning opportunities; better

engagement of pupils; easier access to rich content; support conceptual understanding of new concepts and can support the needs of all our pupils.

Our aims are to:

- Provide an exciting, rich, relevant and challenging Computing curriculum for all pupils.
- Enthuse and equip children with the capability to use technology throughout their lives.
- Give children access to a variety of high quality hardware, software and unplugged resources
- Instil critical thinking, reflective learning and a 'can do' attitude for all our pupils, particularly when engaging with technology and its associated resources.
- Teach pupils to become responsible, respectful and competent users of data, information and communication technology.
- Teach pupils to understand the importance of governance and legislation regarding how information is used, stored, created, retrieved, shared and manipulated.
- Equip pupils with skills, strategies and knowledge that will enable them to reap the benefits of the online world, whilst being able to minimise risk to themselves or others.
- Use technology imaginatively and creatively to inspire and engage all pupils, as well as using it to be more efficient in the tasks associated with running an effective school.
- Provide technology solutions for forging better home and school links.

Safeguarding: Online safety

Online safety has a high profile at Coleshill C of E Primary School for all stakeholders. We ensure this profile is maintained and that pupil needs are met by the following:

- A relevant up-to-date online safety curriculum which is progressive from Early Years to the end of Year 6
- A curriculum that is threaded throughout other curriculums and embedded in the day-to-day lives of our pupils.
- Training for staff and governors which is relevant to their needs and ultimately positively impacts on the pupils.
- Scheduled pupil voice sessions and learning walks steer changes and inform training needs.
- Through our home/school links and communication channels, parents are kept up to date with relevant online safety matters, policies and agreements. They know who to contact at school if they have concerns.
- Pupils, staff and parents have Acceptable Use Policies which are signed and copies freely available.
- Our online safety policy (part of our safeguarding policy) clearly states how monitoring of online safety is undertaken and any incidents/infringements to it are dealt with.
- Filtering and monitoring systems for all our online access.

- Data policies which stipulate how we keep confidential information secure.

Curriculum

As a school, we have chosen the Purple Mash Computing Scheme of Work from Year 1 to Year 6. The scheme of work supports our teachers in delivering fun and engaging lessons which help to raise standards and allow all pupils to achieve to their full potential. We are confident that the scheme of work more than adequately meets the national vision for Computing. It provides immense flexibility, strong cross-curricular links and integrates perfectly with the 2Simple Computing Assessment Tool. Furthermore, it gives excellent supporting material for all teachers regardless of their confidence levels.

Key Stage 1 outcomes

- Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following a sequence of instructions.
- Write and test simple programs.
- Organise, store, manipulate and retrieve data in a range of digital formats.
- Communicate safely and respectfully online, keeping personal information private, and recognise common uses of information technology beyond school.

Key Stage 2 outcomes

- Design and write 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; generate appropriate inputs and predicted outputs to test program
- Use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs.
- Understand computer networks including the internet; how they can provide multiple services, such as the worldwide web; and the opportunities they offer for communication and collaboration.
- Describe how Internet search engines find and store data; use search engines effectively; be discerning in evaluating digital content; respect individuals and intellectual property; use technology responsibly, securely and safely.
- Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Assessment

- Pupil attainment is assessed using the 2Simple Computing Assessment Tool for Years 1 to 6. The tool enables staff to accurately identify attainment of pupils through the detailed exemplification it has for each key learning intention.

- Teachers keep accurate records of pupil attainment by entering data using the 2Simple Computing Assessment Tool
- Tracking of attainment by using the 2Simple Computing Assessment Tool is used to inform future planning.
- Children are encouraged to self, peer and group assess work in a positive way.
- Summative assessment is undertaken in line with the assessment cycle (See Assessment Policy). Using electronic work samples from children's portfolios on Purple Mash, teachers enter judgements about the samples into the 2Simple Computing Assessment Tool.

Celebration

- Work from a range of classes and abilities is shared using the Display board feature in Purple Mash.
- A child from each class is chosen each week as Computing Star of the Week and is given a special mention and certificate in the school celebration assembly.

Resources

- All resources are procured with the underlining considerations of value: The extent at which the resource impacts on learning and the material cost of this. Protocol details for procurement can be found in the school finance policy.
- A range of resources is available which successfully supports delivering the Computing curriculum and enables all learners to reach their full potential.
- Resources are suitably maintained and replenished when needed, which is overseen by the Computing Leader
- Audits of school resources are conducted regularly by the Computing Leader, which informs bidding for budgets allocations.
- The Computing Leader keeps up to date with the latest technology resources and will make informed decisions about possible procurement of them through their own research.
- Suggestions for getting the very best out of the resources are made available to teaching and support staff by the Computing Leader