



St Chad's CE School – Policy

'A Future with Hope' Jeremiah 29:11

For surely, I know the plans I have for you, says the Lord, plans for your welfare and not for harm, to give you a future with hope. Jeremiah 29:11

Intent, Implementation, Impact Policy

Written by Catherine Speed September 2022

INTENT

Whilst ensuring they understand the advantages and disadvantages associated with online experiences, we want children to develop as respectful, responsible and confident users of technology, aware of measures that can be taken to keep themselves and others safe online.

Our aim is to provide a Computing curriculum that is designed to balance acquiring a broad and deep knowledge alongside opportunities to apply skills in various digital contexts

Our aims are to:

- Provide an exciting, rich, relevant and challenging Computing curriculum for all pupils.
- Teach pupils to become responsible, respectful and competent users of data, information and communication technology.
- Enthuse and equip children with the capability to use technology throughout their lives.
- Teach pupils to understand the importance of governance and legislation regarding how information is used, stored, created, retrieved, shared and manipulated.
- Utilise computational thinking beyond the Computing curriculum.
- Give children access to a variety of high quality hardware, software and unplugged resources.
- 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.

IMPLEMENTATION

As a school, we have chosen the Purple Mash Computing Scheme of Work from Reception 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 less confident teachers. Following the Purple Mash Curriculum, we have a comprehensive progression document for staff to follow to best embed and cover every element of the Computing curriculum. This is updated every year following feedback with changes made to deepen understanding and challenge our learners.

IMPACT

At St Chad's School we encourage our children to enjoy and value the curriculum we deliver. We will constantly ask the 'why' behind their learning and not just the 'how'. We want learners to discuss, reflect and



Truthfulness

Hope

Thankfulness

Forgiveness

Courage

Justice





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appreciate the impact computing has on their learning, development and well being. Finding the right balance with technology is key to an effective education and a healthy life-style. We feel the way we implement computing helps children realise the need for the right balance and one they can continue to build on in their next stage of education and beyond. We encourage regular discussions between staff and pupils to best embed and understand this. We look for evidence through reviewing pupil's knowledge and skills and observing learning regularly. Progress of our computing curriculum is demonstrated through outcomes and the record of coverage in the process of achieving these outcomes.

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 programs.

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.

Signed: C Speed

Date: 27.9.22

Review Cycle: Every 2 Years



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