

'Caring, Curious and Confident'

Curry Rivel Church of England Primary School



Curriculum Overview: Computing

Our curriculum approach to computing reflects our ethos statement 'Caring, Curious and Confident' In particular we aim for pupils to develop curiosity in computing as well as providing opportunities to work co-operatively with others and become confident and resourceful learners.

Intent

For all children to learn, apply, experience and enjoy Computing and technology throughout their primary school years. To provide opportunities for children to explore a range of technology that will help to develop their awareness of technology in everyday lives and experience these technologies through a hands-on approach. To ensure that the teaching of Online Safety and Computing is discrete and cross-curricular. To provide opportunities for a range of programmes to be used effectively and to support pupils' transition to secondary school. To equip children with ways to be aware of their own digital footprint in an every-changing era of technology

Implementation

We follow the lesson planning devised by NCCE using Teach Computing Program to develop safe, responsible and competent learners. Each class has an afternoon of IT for one half of each term taught by the class teacher. Online Safety is taught as part of the computing lessons and there are also discreetly using lessons from National Online Safety

Impact

Children enjoying and experiencing technology that they may not have access to in other areas of their lives. Children being able to use and apply technology to develop skills across programming, multimedia and online safety

Progression in Computing

In EYFS:

Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes. Children experience a range of technology to support learning in prime and specific areas, building skills to be ready for primary learning.

In Key Stage 1 and 2

Computing Systems and networks

- Understand how networks can be used to retrieve and share information and come with associated risks
- The activities involved in planning, creating and evaluating computing artefacts
- What is a computer, how do it's constituent parts function together as a whole

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- How individuals, systems and society as a whole interact with computer systems

Creating Media

- Select and create a range of media including text, images, sounds and video.

Data and Information

- How is data stored, organised and used to represent real world artefacts and scenarios

Programming

- Being able to comprehend, design, create and evaluate algorithms
- Creating software to allow computers to solve problems
- Use software tools to support computing work

Online safety

- Understanding risks when using technology and how to protect individuals and systems

Online Safety Lessons

- Self-image and identity
- Online relationships
- Online reputation
- Online bullying
- Managing online information
- Health, wellbeing and lifestyle
- Privacy and security
- Copyright and ownership

Recording

Work produced is saved in the class folder on Google Drive

Assessment

At the end of every lesson, pupils are invited to assess how well they feel they have met the learning objective using thumbs up, thumbs sideways, or thumbs down. This gives pupils a reminder of the content that has been covered, as well as a chance to reflect. It is also a chance for teachers to see how confident the class is feeling so that they can make changes to subsequent lessons accordingly. Every unit includes an optional summative assessment framework in the form of either a multiple choice quiz or a rubric.

Reporting

The computing teacher maintains a record, indicating pupils that are working beyond or below age-expected attainment.

Monitoring

The impact of the Computing curriculum is monitored regularly by the Computing subject leader through pupil discussion, samples of work and discussion with teachers and Head Teacher. Systematic monitoring of all threads of Computing informs the subject leader and school development plan.

Review

July 2022

