Computing Science Policy
2023

Through Christ we believe, inspire, achieve.

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1. Curriculum Intent

English Martyrs computing scheme aims to instil a sense of enjoyment around using technology and to develop pupil's appreciation of its capabilities and the opportunities technology offers to create, manage, organise and collaborate. We want to develop pupils' confidence when encountering new technology, which is a vital skill in the ever evolving and changing landscapes of technology. Through our curriculum, we intend for pupils not only to be digitally competent and have a range of transferable skills at a suitable level for the future workplace but also to be responsible citizens.

The Kapow scheme of work enables pupils to meet the end of Key Stage Attainment targets outlined in the National Curriculum. We aim to help equip children for life in the digital world, including developing their understanding of appropriate online behaviour, copyright issues, being discerning consumers of online information and healthy use of technology.

2. Computing Science and the National Curriculum

Our scheme of work has been recently updated to include cross-curricular links between our Computing scheme of work and other National curriculum subjects.

The Kapow Primary strands for computing are: Computer science, Information technology and Digital Literacy and this document shows how the strands, which run throughout our scheme of work, link to the National curriculum attainment targets.

Statutory guidance for Early Years Foundation Stage is also included, showing which Early Learning Goals and Development Matters 2021 statements are being covered in each of our EYFS units.

Our Primary strands are:

- Computer Science
- Information Technology

- Digital literacy

The progression of skills and knowledge is cyclical to increase children's depth of learning through sequential learning.

3. Pupil Experiences

There will be equal access for all pupils in Computing Science education to guard against all types of discrimination.

4. Rationale

Equal opportunities to study Computing Science effectively will be given to all pupils. Staff will teach meaningful everyday contexts using technology, so children can relate computing science to their everyday experiences. Every opportunity will be taken to introduce new vocabulary - lessons will begin with the introduction or review of vocabulary which will then be used throughout the lesson. Vocabulary will also be used in everyday lessons where technology can enhance children's learning experiences.

5. Equal Opportunities

Inclusion is at the centre of everything we do at English Martyrs. We recognise the varying needs of all our learners, and so differentiate activities where necessary and as appropriate, and ensure an appropriate level of challenge is carefully planned for during each Computing Science lesson.

Equal opportunities will be given to all children in respect of:

- Race
- Gender
- Culture
- Special Educational Needs

6. Monitoring arrangements

Assessment of Computing Science at both KS1 and KS2 will be based on discussion with pupils before and after units via VLOGS, observation during projects, recorded work in projects and evaluation of the learning. Annual reports for parents will include a statement for Computing Science included along with other foundation subjects.

7. Cross Curricular Links

In this subject, we make cross-curricular links, particularly between English, maths, science, art and design technology which helps to consolidate and apply their knowledge to solve real-life problems, develop research skills, promote being safe online and developing presentation skills.

8. Resources

A resource audit will be carried out at the start of the end of the school year to ensure all resources are available for lessons.

9. Health and Safety

Children will be shown how to use all equipment safely and monitored whilst using any equipment that poses a risk to themselves.

Staff will refer to current Health and Safety practices, safety regulations and safeguarding requirements.

10. Monitoring of the Computing Science Policy

The Computing Science policy will be monitored as an ongoing document, in collaboration with the Head teacher and the senior leadership team.

11. Evaluation of Policy

The policy will be evaluated against certain criteria; insets undertaken by staff members, staff viewpoints and discussions carried out by the co-ordinators and the Headteacher.