St William of York Catholic Primary School

Computing Policy

Signed _____ Chair of Governors

_____ Head Teacher

Date: 6th July 2023 Review date: July 2025

1. Computing Curriculum Vision
At St William of York, we value the contribution that technology can make for the benefit of all pupils, staff, parents and governors. We strive to provide safe opportunities in all subjects to motivate and inspire pupils and raise standards across the curriculum.
Everyone in our school community will become lifelong learners equipped to meet developing technology with confidence, enthusiasm and the skills that will prepare them for a future in an ever-changing, technological world.

2. Our Computing vision encompasses the following aims:
- To provide pupils with the computational skills necessary to become independent learners
- To promote safe and sensible use of technology through a dedicated online-safety curriculum (Digital Citizenship).
- To use new technologies to enable good quality teaching and learning to take place
- To ensure appropriate and equal access to technology for all children regardless of age, gender, ethnicity or ability
- To utilise the online collaborative platforms e.g. Google Suite in order to provide extended and personalised learning opportunities through the use of technology
- To commit to the Continuous Professional Development of Computing
- To ensure our pupils take advantage of the ever quickening pace of technological change
- To provide pupils with an understanding of the role technology plays in everyday life at present and its importance in the future
- To give children opportunities to access the Computing Curriculum through home-school links and resources.
- To provide opportunities for blended learning where and when appropriate.

3. Inclusion
Pupils with special educational needs should be able to use the technology to encourage their independence and develop their interests and abilities.
Pupils identified as having special educational needs (SEND) will have access to a laptop in class where appropriate. These children will also have access to a range of apps and/or programs to support their learning.
All pupils are to have access to the use of technology regardless of gender, race, cultural background or any physical or sensory disability. Pupils with learning difficulties can be given greater access to the whole curriculum through the use of technology.

The youngest pupils in the Nursery and Reception classes begin to use and learn about Computing as soon as it is practicable after entering school, so that they gain confidence in using computers as soon as possible.

4. Implementing the Policy
Good practice in the use of technology in the curriculum

In Computing lessons
Pupils are timetabled for one Computing week per half term, where they have access to a computer/laptop or iPad. During the Computing week, teachers will cover the skills and experience required to develop Computing Capability through the school's Scheme of Work (Knowsley CLC) – with an additional emphasis on online-safety and Coding/Programming.
On the whole, some additional teaching of the Computing PoS (Digital Literacy, Information Technology etc) is done through cross-curricular subject links.

Teachers ensure the teaching of Computing is evident within all areas of the curriculum where appropriate, following a topic-based approach and creating cross-curricular links.

In learning and teaching across the curriculum
There are Interactive Whiteboards (IWBs) in every classroom, used throughout the day for whole class teaching in all subjects. Whiteboards are also used within group activities by teachers or TAs or for collaborative activities by pupils. (In the current climate, children are not presently using shared devices and IWBs unless cleaning takes place in between usage). Whiteboards are also regularly used by pupils themselves to participate in the class or group lesson, or demonstrate what they have learned or to display work they have done. The IWB is connected to a main classroom computer/laptop or iPad which is on the school network with access to shared work areas.

In addition to this children have access to a small number of classroom wireless laptops, and whole school shared iPads for use in all curriculum areas and to support extended learning during break times. (Again, because of the current climate, use of ipads is not always possible)

Staff and pupils regularly access links to online resources (through Google Classroom, for example)
Teaching and support staff select programs and make use of resources for pupils to use from the school network, or online resources e.g from White Rose Maths Hub or Mymaths etc. Classes maintain an electronic portfolio of good examples of their schoolwork via Google Classroom and Seesaw.

St William of York continues to use Knowsley CLC criteria as a form of assessing the use of technology and the Computing Curriculum within cross-curricular subject work.

5. Developing and monitoring the Computing curriculum
The Head teacher and Computing Subject Leader are responsible for ensuring there is a Computing policy and that it is implemented. The Computing Subject Leader is responsible for mapping the Knowsley CLC's Scheme of Work and for liaising with other subject leaders to map the delivery of further technology use in learning and teaching across the curriculum.

Members of the SLT will monitor learning and teaching in Computing as they do for literacy and numeracy. The Computing Subject Leader will also be involved in monitoring class teachers' curriculum planning and teaching. The Computing Subject Leader will carry out an audit of staff skills annually and support and training will be provided where necessary.
All staff will regularly update their displays and ensure that the use of technology is evident with classroom and curricular displays.

6. Assessment
Using a Computing Pupil Portfolio of "I Can Statements" linked to the Knowsley CLC's Scheme of Work, each learning point has been mapped to activities. The "I Can Statements" themselves have been designed from a 'Using and Applying' approach and the pupils will need to use what they have learnt in order to complete the tasks asked of them and will be given an opportunity to self-reflect on their work through plenaries. These "I Can Statements" give the children opportunities to develop a range of techniques within the 'Computing Umbrella', thus providing them with an excellent grounding to further progress the knowledge of technology in the wider world.

7. Home Links
The children have access to a wide variety of resources that enable them to continue their learning of Computing and technology at home. For example;Times Table Rockstars, White Rose Maths Hub and Oxford Owl accessed through Google Classroom. Children all have their own logins which allow access to a suite of productivity apps. Through these the children are able to complete set tasks, and save their work virtually so that it can be shared both in school and at home with teachers and parents. Children can also contact their teachers through Google Classroom during school hours when learning from home. (Due to National Lockdowns, each year group has been accessing home learning using Google Classroom or SeeSaw)

We also have a School Twitter account, and class Twitter accounts.

8. Identifying Gifted pupils in Computing

All staff have high aspirations to challenge and motivate children of all abilities. In Computing, pupils who are identified as gifted are challenged within lessons in school, and are additionally offered challenges during lessons. There are sometimes opportunities for extra curricular computing clubs (In the current climate, this is not something we currently offer)
To help identify pupils who are gifted, the following markers have been adapted:

Gifted Markers to look for in Computing

- Finds and uses new technology (hardware/software) to further learning
- Uses own skills and knowledge to help support (and 'teach') peers
- Uses technology to help solve problems, and understands when it also creates problems
- Considers the limitations of technology, and looks for ways to overcome these limitations
- Considers the purpose to which information is processed and communicated, and how the characteristics of different kinds of information influence its use
- Uses technology innovatively to support learning in other subjects
- Understands the positive impact using technology has in supporting the learning of less able pupils
- Uses skills and knowledge of Computing to design, create and 'debug' programs when only given a specified outcome
- Consider some of the social, economic and ethical issues raised by the use of technology both in and out of school

9 This Policy

The Computing subject Leader and the Headteacher will be responsible for ensuring the effective monitoring, evaluation and review of this policy.