Ladywood

Primary School

Computing Policy

January 2023

Ladywood Primary School – Computing Policy

Aim

At Ladywood, we believe that accessing computing and being safe online is crucial in enabling our children to fulfil their potential. Pupils will be taught to use appropriate programmes to complete a range of tasks. They will learn how to design, create and debug programmes. It is our intent that children will leave Ladywood being able to use a range of technology safely and responsibly to achieve their potential in the next phase of their education and beyond.

Our aim is to produce learners who are confident, effective and safe users of all ICT. We strive to achieve this by:

- teaching discrete computing lessons and allowing opportunities for the skills taught to be embedded further in other areas of the curriculum;
- ensuring that all children have regular access to a range of ICT equipment in order to develop necessary skills;
- helping children to use ICT with purpose, creativity and enjoyment;
- developing children's understanding of its benefits and impact on society;
- ensuring children have the knowledge to enable them to be safe online and know what to do if they ever feel unsafe.

Teachers will plan discrete computing lessons based on the computing curriculum (see appendix). This will allow skills to be taught across the three strands of the scheme. Children will then be given the opportunity, when it arises, to use the taught skills across other areas of the curriculum. For example, word processing skills to support English or history work.

Teaching and Learning

Skills are developed through whole class teaching and pupils are encouraged to use classroom computers to support and extend work. Teachers use a range of strategies, methods and equipment most appropriate to the task. This includes:

- demonstrations by pupils and teacher.
- collaborative and individual work.
- differentiated work and extended work for advanced learners.

Curriculum organisation

The computing curriculum at Ladywood is organized into three main strands. These are:

- Digital Literacy
- Computer Science
- Information Technology

These strands will be taught discretely, however, should be embedded within the whole curriculum, allowing children to draw upon their skills and knowledge to support their wider learning.

EYFS

The EYFS sets out the learning objectives for the seven areas of learning:

- Communication and Language.
- Personal, Social and Emotional Development
- Physical Development
- Literacy
- Mathematics
- Expressive Arts and Design
- Understanding of the World

During their time in EYFS the children will be given a wide range of opportunities to learn and apply computing skills that will allow them to be ready to progress to The National Curriculum.
Within EYFS the children will concentrate on digital literacy, information technology and computer science.

KS1 and KS2

At Ladywood, Computing skills are taught as discrete lessons, however, once taught, skills should be transferrable to other areas of the curriculum. It is

important that children are made aware of and experience the importance of applying their skills to other areas.
For example; sending emails for communication, creating PowerPoint presentations to present information in English or history.
In Year 1 to 6 we follow the Discovery Education Coding Program. This allows for a clear progression of skills from KS1 to KS2.

Long Term Plan

Ladywood Primary School Computing Curriculum

Year Group	Term		
	Autumn	Spring	Summer
EYFS	**Digital Literacy** Introduction to E- Safety	**Information Technology** Computer Art	**Computer Science** Introduction to Coding- Giving and following instructions
Year 1	**Digital Literacy** E- Safety	**Computer Science** On the Move & Simple Inputs	**Information Technology** Word processing **Computer Science** Programming a toy
Year 2	**Digital Literacy** E- Safety	**Computer Science** Different Sorts of Inputs & Buttons and Instructions	**Information Technology** Computer art
Year 3	**Digital Literacy** E- Safety	**Information Technology** Word processing Drawing and desktop publishing	**Computer Science** Sequence and Animation & Conditional Events
Year 4	**Digital Literacy** E- Safety	**Information Technology** Word processing Film making	**Computer Science** Introduction to Variables & Repetition and Loops
Year 5	**Digital Literacy** E- Safety	**Information Technology** Internet research Presentation skills- PowerPoint	**Computer Science** Speed, Direction and Coordinates & Random Numbers and Simulations
Year 6	**Digital Literacy** E- Safety	**Information Technology** Spreadsheets- Excel	**Computer Science** More Complex Variables & Object Properties

Equal Opportunities

Pupils with intellectual, emotional and communicational difficulties can benefit from computing. These can include heightened motivation and improvement of the accuracy and appearance of their work. All children have access to a variety of ICT equipment at Ladywood Primary School including laptops (30 per year group pair), iPads (30 per year group pair), SMART TV boards, visualisers, programmable toys and each class also has a digital camera. The

school purchased a variety of software to support the subjects across the curriculum and to increase maths and English standards. Children with special educational needs are encouraged to use computer software as a stimulating and effective method of developing core skills.

School Website

The school has worked alongside a company called 'Primary Site', to create a website. This website is updated regularly by individual class teachers and includes information about the school, staff and pupils which can be accessed by all.

Interactive homework

Children and parents are encouraged to utilise the interactive homework available to pupils to enhance learning. All children have access to BUG CLUB where their teachers have allocated level appropriate books to pupils to read at home and complete comprehension questions. Class teachers view pupils' responses to the comprehension questions and can reply directly to children. Pupils also have access to Times Table Rockstars to practise their mental recall of times tables to aid with mathematics.

Resources

Ladywood Primary ensures that all pupils have access to a range of ICT equipment. Each individual classroom has a class computer, a SMART TV board, CD player, visualiser, and a digital camera. In addition we also provide 30 laptops and 30 iPads per year group pair.

Computer science will be taught through the Discovery Education programme from Years 1- 6. Teachers all have their own unique log in for this and children have a school log in which they will be expected to use to access the programme.
Bug Club is also available for the children to use to support their reading at home and at school, again children have their own log on for this.
Times Tables Rockstars is another computer based programme that supports the children at Ladywood and is available for use at home or at school.

Impact

Computing is monitored and assessed by:

- pupils demonstrating their skills;
- lesson observations;
- monitoring teachers planning.

At the end of each term teachers will use the computing impact tracker to record pupils progress and, in turn support future planning.

Health, Safety and Maintenance

- All electrical equipment must be in good working order and regular PAT checks are carried out.
- Pupils are not seated close to computer equipment for long periods of time.
- Pupils are not allowed to carry large, heavy equipment.
- Cables and wires must not trail or hang in or across places that may be a hazard to pupils or adults.
- No food or drink may be put near a computer or other electrical equipment.
- The ICT technical adviser works in school one morning a week. We also have access to Barnsley LEA helpdesk.
- Please see the School e-safety policy

Policy Reviewed January 2023
By J Lassu