



# Computing Curriculum Intent & Implementation

## Intent

At Kiwi Primary School, we teach Computing using Kapow Primary's scheme of work. Our aim is to inspire pupils 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. Exploring software and programs forms a part of the ethos our scheme. This is so pupils become confident when encountering new technology, which is a vital skill in the ever evolving and changing landscape 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 online citizens.

The scheme of work enables pupils to meet the end of Key Stage Attainment targets outlined in the National curriculum and the aims align with those in the National curriculum. The Computing scheme of work used along side our SCARF RSE & PSHE scheme, satisfies all the objectives of the DfE's Education for a Connected World framework. This guidance was created 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.

## Implementation

The National curriculum purpose of study states:

'The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.'

The Kapow Primary scheme of work has three strands which run throughout:

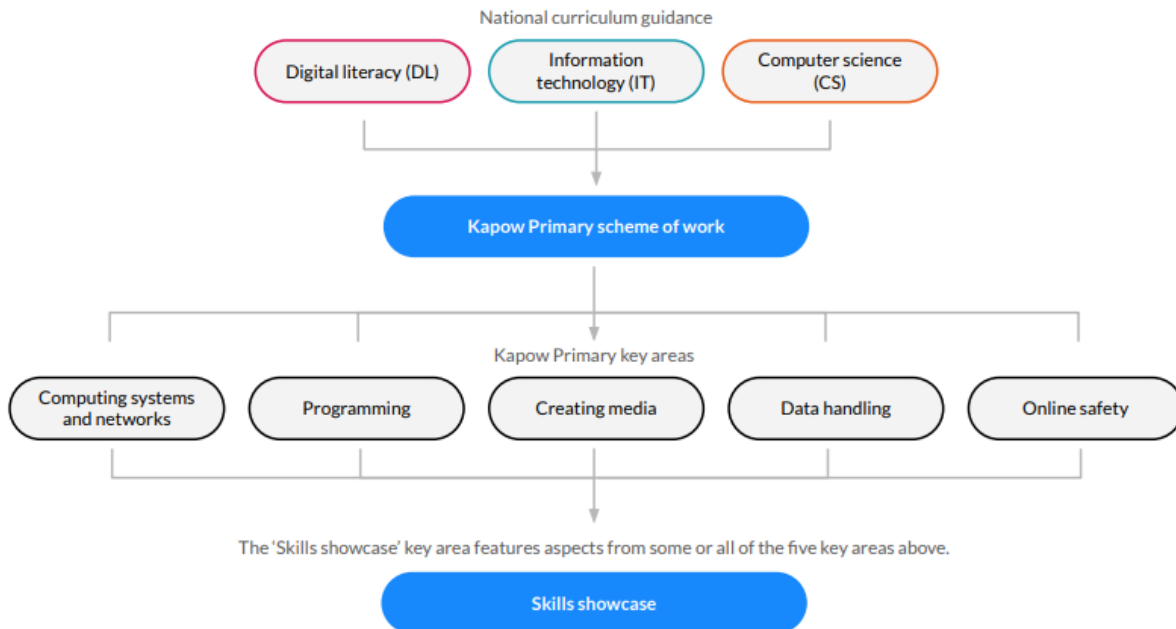
- Computer Science
- Information technology
- Digital literacy

The National curriculum mapping document shows which Kapow unit covers each of the national curriculum attainment targets as well as each of the three strands.

The Kapow scheme has clear skills progressions within each year group and they develop each year to ensure the attainment targets are securely met at the end of each key stage.

The Kapow Primary scheme is organised into five key areas which creates a cyclical route through which pupils can develop their computing knowledge and skills by revisiting and building on previous learning.

The diagram below shows how the National curriculum guidance links to Kapow Primary's five key areas:



We have chosen to use the Kapow Primary Computing curriculum so we can ensure a broad and balance coverage of the National curriculum requirements, and the 'Skills showcase' units provide pupils with the opportunity to learn and apply transferable skills. Where meaningful, units have been created to link to other subjects such as science, art, and music to enable the development of further transferable skills and genuine cross-curricular learning.

The Kapow lessons incorporate a range of teaching strategies from independent tasks, paired and group work as well as unplugged and digital activities. This variety means that lessons are engaging and appeal to those with a variety of learning styles.

Differentiated guidance is available for every lesson to ensure that lessons can be accessed by all pupils and opportunities to stretch pupil's learning are available when required. Knowledge organisers for each unit support pupils in building a foundation of factual knowledge by encouraging recall of key facts and vocabulary.

Strong subject knowledge is vital for staff to be able to deliver a highly effective and robust computing curriculum. The Kapow Primary units of lessons include teacher videos to develop subject knowledge and support ongoing CPD. Further CPD opportunities are available through Kapow as well as through our local hub.

At Kiwi primary, we timetable computing so each class has a designated one hour slot each week and that the devices are available in these sessions.

Currently Kiwi Primary has 30 iPads 30 laptops for curriculum use as well as interactive whiteboards in every room.