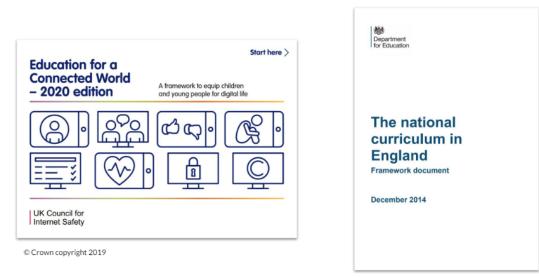


## **Computing Long-term coverage**

## How does Kapow Primary help our school to meet the statutory guidance for computing?

Our scheme of work fulfils the statutory requirements for computing outlined in the National curriculum (2014) and, when used in conjunction with our RSE & PSHE scheme, also covers the government's Education for a Connected World -2020 edition framework (see our Education for a Connected World framework mapping).



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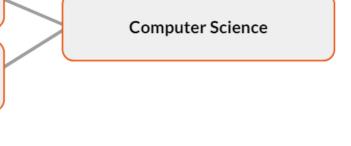
## How does Kapow Primary's scheme of work align with the National curriculum?

Our scheme of work fulfils the statutory requirements outlined in the **National curriculum** (2014). The National Curriculum Programme of Study for Computing aims to ensure that all pupils:

★ Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.

★ Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.

We have identified these three strands which run throughout our scheme of work:



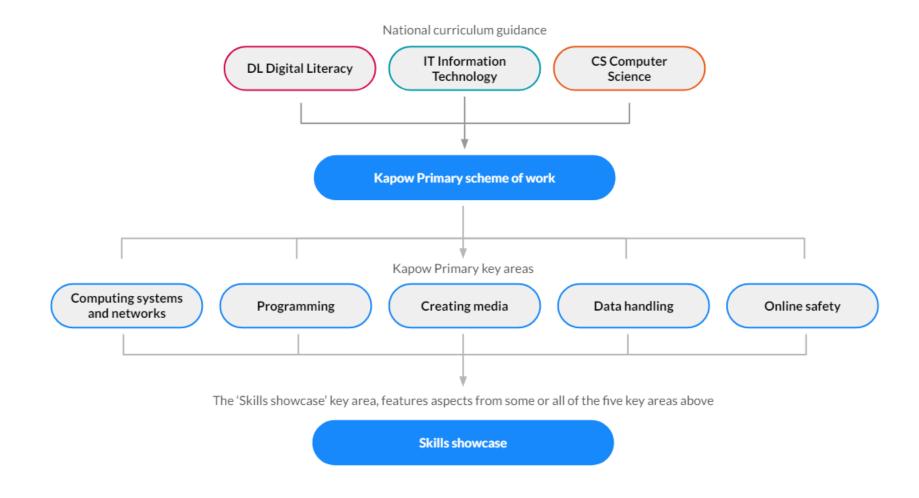
★ Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.

Information Technology

★ Are responsible, competent, confident and creative users of information and communication technology.

**Digital Literacy** 

## How is the Computing scheme of work organised?



Cycle A					
	Autumn 1		Summer 1		
Class 1	Year 1: Online Safety	EYFS: Programming Bee Bots	Year 1: Digital Imagery		
	EYFS: Computing Systems &	Year 1: Rocket to the Moon	EYFS: Data Handling		
	networks				
Class 2	Year 3: Online safety	Year 3: Scratch	Year 2: Word Processing		
	Year 2: Computing Systems &	Year 2: Stop Motion	Year 2: International Space Station		
	networks				
Class 3	Year 6: Online safety	Year 5: Stop motion	Year 6: Systems & networks-		
	Year 4: Scratch Coding	Year 4: media-website design	Bletchley Park		
			Year 4: Mars Rover I		

Cycle B					
	Autumn 1	Spring 1	Summer 1		
Class 1	Year 1: Computing Systems &	Year 1: Programming Bee Bots	Year 1: Algorithms unplugged		
	Networks	EYFS: All about instructions	Year 1: Introduction to data		
	Year 1: Online Safety				
Class 2	Year 2: Online Safety	Year 2: Algorithms	Year 3: Creating Media		
	Year 3: Emailing	Year 3: Databases	Year 2: Scratch Jr		
Class 3	Year 5: Online safety	Year 5: Search Engines	Year 6: Programming-Python		
	Year 4: Data handling-Weather	Year 6: Data Handling-Big Data1	Year 5: Programming Micro:bit		

Cycle c					
	Autumn 1	Spring 1	Summer 1		
Class 3	Year 5: Online safety	Year 6: Media-History of computers	Year 4: Mars Rover II		
	Year 5: Programming-Music	Year 4: HTML	Year 6: Data handling-Big data 2		