

Long Term Computing Plan

Cycle 1	Cycle 2
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Year 5/6	Usual Curriculum year	Key area	Term	Year 5/6	Usual Curriculum year	Key area
Online Safety	Year 5	Online safety	Autumn 1	Online Safety	Year 6	Online safety
Online Safety	Year 5	Online Safety	Autumn 1	Online Safety	Year 6	Online Safety
Email		Creating and sending emails		Email		Creating and sending emails
Mars Rover	Year 5	Data Handling	Spring 1	Search Engines	Year 5	Computer systems and Networks
Bletchley Park	Year 6	Computing Systems and Networks				
Bletchley Park	Year 6	Computing Systems and Networks	Spring 2	Big Data 1	Year 6	Data Handling
Big Data 2	Year 6	Data Handling	Summer 1	Big Data 1	Year 6	Data Handling
				Introduction to Python	Year 6	Programming
Big Data 2	Year 6	Data Handling	Summer 2	Introduction to Python	Year 6	Programming
Mars Rover 2	Year 5	Skills Showcase				

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Year 3/4	Usual Curriculum year	Key area	Term	Year 3/4	Usual Curriculum year	Key area
Online Safety	Year 3	Online safety	Autumn 1	Online Safety	Year 4	Online Safety
Online Safety	Year 3	Online Safety	Autumn 1	Online safety	Year 4	Online Safety
Emailing	Year 3	Computing systems and Networks		Networks and the Internet	Year 3	Computing systems & Networks 1
Emailing	Year 3	Computing systems and Networks	Spring 1	Networks and the Internet	Year 3	Computing systems & Networks 1
Scratch	Year 3	Programming		Journey Inside a computer	Year 3	Computing systems and Networks 3
Scratch	Year 3	Programming	Spring 2	Journey Inside a computer	Year 3	Computing systems and Networks 3
Further coding with Scratch	Year 4	Programming 1		Collaborative learning (office)	Year 4	Computer systems and Networks
Further coding with Scratch	Year 4	Programming 1	Summer 1	Collaborative Learning (office)	Year 4	Computing systems and Networks
Computational thinking	Year 4	Programming 2		Data Handling	Year 4	Investigating weather
Computational thinking	Year 4	Programming 2	Summer 2	Data Handling	Year 4	Investigating weather

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Year 1/2	Usual Curriculum year	Key area	Term	Year 1/2	Usual Curriculum year	Key area
Online Safety	Year 1	Online safety	Autumn 1	Online Safety	Year 2	Online Safety
Improving Mouse Skills	Year 1	Computing systems and networks	Autumn 1	Bee-bots	Year 1	Programming
Algorithms unplugged	Year 2	Programming	Spring 1	Bee-bots	Year 1	Programming
Algorithms unplugged	Year 2	Programming	Spring 2	Digital imagery	Year 1	Creating media
What is a computer	Year 2	Computing systems and networks		Digital imagery	Year 1	Creating media
What is a computer	Year 2	Computing systems and networks	Summer 1	Algorithms and debugging	Year 2	Programming 1
Scratch Jr	Year 2	Programming 2		Algorithms and debugging	Year 2	Programming 1
Scratch Jr	Year 2	Programming 2	Summer 2	International Space Station	Year 2	Data Handling
Scratch Jr	Year 2	Programming 2		International Space Station	Year 2	Data Handling

The above shows the long-term plan for Computing at Settrington School. The curriculum was planned carefully, firstly by considering the time we had to teach computing each week (roughly 40 minutes after logging on). Although Kapow offers a mixed-age curriculum which would have been ideal for our classes across the school, the amount of content would have been too great for the time we have available each week. Kapow also offers a condensed curriculum, ideal for schools like Settrington where time constraints mean longer lessons each week aren't an option. Therefore, we have decided to combine the two models.

When planning the topics, Online Safety is put at the start of the academic year as we feel this is such an important part of the children's computing journey; a foundation for future topics. Throughout the year we do highlight the importance of online safety through visits from the Police and talks with classes when issues arise around online safety (Whatsapp, Games, etc.). By incorporating Kapow's condensed curriculum, it means all the statutory outcomes are covered for each Key Stage. Some topics that Kapow suggested have been omitted from our curriculum plan as currently we don't have the necessary resources (IPads/tablets) for the children to be able to achieve the expected outcomes.

Additionally, some topics, such as programming music, are covered within the children's music lessons, so it is not required to be repeated in computing. Children in year 5/6 have additional lessons on emailing after their online safety topic. While this is not shown in the Kapow scheme, we felt this was an important and necessary skill for them to use. In future years this will not be necessary as the Lower KS2 cover this topic but previously the children at Settrington did not have access to their own email accounts. We have tried to mix the Curriculum years so that regardless of the cycle, children in our mixed-age classes have access to a broad range of topics and challenges. The pattern of topics is mirrored across each cycle, as suggested by the Kapow Curriculum.