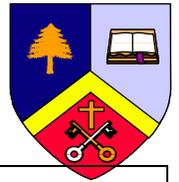


Computing at St. Peter's Church of England Junior School

KAPOW Scheme of Work

	Autumn	Spring	Summer
Year 3	<p>Online Safety</p> <ul style="list-style-type: none"> The rules of social media Sharing information Beliefs, opinions or facts? <p>Computer Systems and Networks - Networking</p> <ul style="list-style-type: none"> What is a network and how do websites work? 	<p>Programming</p> <ul style="list-style-type: none"> Using loops Making an animation programming a game <p>Computer Systems and Networks - Email</p> <ul style="list-style-type: none"> Using Microsoft 365 How email works How to send an email 	<p>Computer Systems and Networks – Journey inside a computer</p> <ul style="list-style-type: none"> Computer memory Inputs and outputs Dismantling a tablet <p>Data Handling</p> <ul style="list-style-type: none"> Using Microsoft 365 comparing and handling data
Year 4	<p>Online Safety</p> <ul style="list-style-type: none"> Safe use of the internet. Fact opinion or belief? What is a bot? <p>Computer Systems and Networks - Email</p> <ul style="list-style-type: none"> Using Microsoft 365 - collaborative learning 	<p>Programming - Coding</p> <ul style="list-style-type: none"> Using the programme Scratch - coding and debugging <p>Programming – Computational Thinking</p> <ul style="list-style-type: none"> Decomposition. Abstraction and pattern recognition Algorithm design 	<p>Data handling - Investigations</p> <ul style="list-style-type: none"> Investigation Data collection Processing and comparison <p>Creating Media - Web Design</p> <ul style="list-style-type: none"> The process behind designing and building a website.
Year 5	<p>Online Safety</p> <ul style="list-style-type: none"> Our protection, communication and reputation online Our online health 	<p>Computer Systems and Networks - Search Engines</p> <ul style="list-style-type: none"> Using search engines and identifying inaccurate information 	<p>Crating Media - Stop Motion</p> <ul style="list-style-type: none"> Stop motion design decomposition and creation



	<p>Programming - Music</p> <ul style="list-style-type: none"> • Writing algorithms • Using loops in programming. 	<p>Data Handling - The Mars Rover 1</p> <ul style="list-style-type: none"> • The use of binary code • Computer architecture 	<p>Skills Showcase - The Mars Rover 2</p> <ul style="list-style-type: none"> • Using CAD • Compressing images • Decoding
<p>Year 6</p>	<p>Online Safety</p> <ul style="list-style-type: none"> • Life online • Creating a positive online reputation • Protection of passwords <p>Computer Systems and Networks – Bletchley Park</p> <ul style="list-style-type: none"> • Coding • Protecting our details from hacking incidents 	<p>Programming - Introduction to Python</p> <ul style="list-style-type: none"> • Using nested loops • Coding within the Python program <p>Data Handling - Big Data</p> <ul style="list-style-type: none"> • Barcodes • Transmitting and transporting data 	<p>Creating Media – The History of Computers</p> <ul style="list-style-type: none"> • The first computers • Computers that changed the world • The future of the computer <p>Data Handling – Big Data</p> <ul style="list-style-type: none"> • The transfer of data • The usage of data • Designing and presenting