

Unit focus	Computing Systems and Networks		Programming		Creating Media and Data Handling	
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<u>Computing Systems and Networks</u> Using a computer  <i>All 5 lessons</i>  <b>Software:</b> Sketchpad <a href="https://sketch.io/sketchpad/">https://sketch.io/sketchpad/</a>		<u>Programming</u> All about instructions <i>All 5 lessons</i>	<u>Exploring Hardware</u>  Lessons 1 – 4 Only.	<u>Data Handling</u> Introduction to data  <i>4 lessons 1-4</i>	
YEAR 1	<u>Computing systems and networks</u> Improving mouse skills  <i>3 lessons 1-3 only</i>  <b>Sketchpad</b> <a href="https://sketch.io/sketchpad/">https://sketch.io/sketchpad/</a>		<u>Programming</u> Algorithms unplugged <i>4 lessons 1,2,4 and 5 only</i>	<u>Programming 2</u> Bee bot  <i>4 lessons 1,3,4 and 5 only</i>  <b>Software:</b> Interactive beebot <a href="https://beebot.terrapiinlogo.com/">https://beebot.terrapiinlogo.com/</a>	<u>Creating Media</u> Digital Imagery  <i>3 lessons 1-3</i>  <b>Software:</b> Ipad camera Microsoft Powerpoint	
YEAR 2	<u>Computing systems and networks,</u> What is a computer? <i>3 lessons 1,2 and 5</i>  <b>Software:</b> <a href="https://sketch.io/sketchpad/">https://sketch.io/sketchpad/</a>		<u>Programming</u> Algorithms and debugging  <i>4 lessons , 1,2,4 and 5 only</i>  <b>Software:</b>	<u>Programming 2</u> Scratch Junior  <i>4 lessons 1 , 2, 4 and 5 only</i> <b>Software:</b> Scratch on the computers	<u>Data Handling</u> International Space Station  <i>4 lessons, 1,3 and 5 only</i>	

			<a href="https://sketch.io/sketchpad/">https://sketch.io/sketchpad/</a>		
YEAR 3	<u><a href="#">Computing systems and networks</a></u> Networks and the internet <i>3 lessons 1,3 and 5</i> <b>Software:</b> Scratch on the computers Ipad Cameras	<u><a href="#">Computing systems and networks</a></u> Journey inside a computer <i>3 lessons: 1,2 and 5</i> <b>Software:</b> <a href="https://sketch.io/sketchpad/">https://sketch.io/sketchpad/</a>	<u><a href="#">Programming</a></u> – Scratch <i>4 lessons 1,2,3 and 5</i> <b>Software:</b> Scratch on the computers		<u><a href="#">Creating Media</a></u> – video trailers <i>4 lessons 1-4 only</i> <b>Software:</b> Scratch on the computers Apple Clips Ipad camera
YEAR 4	<u><a href="#">Computing systems and networks</a></u> Collaborative learning <i>4 lessons 1,3,4 and 5</i> <b>Software:</b> Google Docs One drive docs	<u><a href="#">Programming 1</a></u> Further coding with scratch <i>3 lessons 2,3 and 4</i> <b>Software:</b> Scratch on the computers	<u><a href="#">Programming 2</a></u> Computational thinking <i>4 lessons 1-4 only</i> <b>Software:</b> Scratch on the computers	<u><a href="#">Data Handling</a></u> Investigating Weather <i>3 lessons 1,3,4 and 5</i> <b>Software:</b> <a href="https://sketch.io/sketchpad/">https://sketch.io/sketchpad/</a> Microsoft excel iMovie / Apple Clips	
YEAR 5	<u><a href="#">Computing systems and networks</a></u> Search engines <i>4 lessons 1-4</i> <b>Software:</b> <a href="https://sketch.io/sketchpad/">https://sketch.io/sketchpad/</a>	<u><a href="#">Programming</a></u> Programming Music <i>4 lessons 1 – 4</i> <b>Software:</b> <a href="https://sonic-pi.net/">https://sonic-pi.net/</a>		<u><a href="#">Data Handling</a></u> Mars Rover <i>3 lessons 1,2 and 4</i>	<u><a href="#">Creating Media</a></u> Stop Motion Animation <i>4 lessons 1 – 4</i> <b>Software:</b>

		Scratch on the computers		Stop motion studio app.
YEAR 6	<u>Computing systems and networks</u> Bletchley Park  <i>3 lessons 1 – 3</i>  <b>Software:</b> Scratch on the computer Microsoft word Microsoft powerpoint	<u>Programming</u> Intro to python  <i>4 lessons 1-4</i>  <b>Software:</b> <a href="https://turtleacademy.com/playground">https://turtleacademy.com/playground</a>	<u>Data Handling</u> Big Data 1  <i>4 lessons 1,3,4 and 5</i>  <b>Software:</b> Microsoft Excel	<u>Creating Media</u> History of Computers  <i>3 lessons 3-5</i>  <b>Software:</b> Garage Band Microsoft forms

*Lessons to be covered to ensure national curriculum coverage.*

**Software needed for each unit. (Please refer to each lesson plan to ensure you have all the hardware needed)**

1x Online Safety Lesson to be taught at the start of each half term + general discussions about online safety throughout lessons.