

Condensed Long-term plan - 18 lessons giving a balanced coverage of the five key areas of computing.  
New curriculum following on from transitioning to Kapow from previous year.

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>EYFS</b>	<b>Computing through continuous provision</b>	<b>Computer systems and networks</b> Using a computer 5 lessons	<b>Online Safety - R</b>	<b>Programming 1</b> All about instructions 5 lessons	<b>Programming 2</b> Exploring hardware 4 lessons – 1 – 4	<b>Data handling</b> Introduction to data 4 lessons – 1 - 4
<b>1</b>	<b>Computing systems and networks</b> Improving mouse skills 3 lessons – 1 - 3	<b>Programming 1</b> Algorithms unplugged 4 lessons – 1,2,4 and 5	<b>Online Safety – Y1</b> All 4 lessons	<b>Creating media</b> Digital Imagery Option 2 – Office 365 3 lessons – 1 - 3	<b>Programming 2</b> Bee-Bot Option 1 – Bee Bots 4 lessons – 1,3,4 and 5	<b>Skills Showcase</b> Rocket to the moon
<b>2</b>	<b>Computing systems and networks 1</b> What is a computer? 3 lessons – 1,2 and 5	<b>Programming 1</b> Algorithms and debugging 4 lessons – 1,2,4 and 5	<b>Online Safety – Y2</b> 4 Lessons – teach all five combining lessons 3 and 4	<b>Data handling</b> International Space Station 3 lessons – 1,3 and 5	<b>Programming 2</b> Scratch Jr 4 lessons – 1,2,4 and 5	Consolidating skills / revisiting a unit
<b>3</b>	<b>Computing systems and networks 1</b> Networks and Internet Option 2 – Office 365 3 lessons – 1,3 and 5	<b>Computing systems and networks 3</b> Journey inside a computer 3 lessons – 1,2 and 5	<b>Online Safety – Y3</b> All 4 lessons	<b>Creating media</b> Video trailers Option 2 – Using Ipad 4 lessons – 1 – 4	<b>Programming</b> Programming scratch 4 lessons – 1,2,3 and 5	Consolidating skills / revisiting a unit
<b>4</b>	<b>Computing systems and networks</b> Collaborative learning Option 2 – Office 365 4 lessons – 1,3,4 and 5	<b>Programming 1</b> Further coding with Scratch Option 2 – Office 365 3 lessons – 2 – 4	<b>Online Safety – Y4</b> 4 lessons – 1,2,3 and 5	<b>Data handling</b> Investigating weather 3 lessons – 1,3,4 and 5	<b>Programming 2</b> Computational thinking 4 lessons – 1 - 4	<b>Skills Showcase</b> HTML
<b>4/5</b>	<b>Computing systems and networks</b> Search Engines - Option 2 - Office 365 4 lessons - 1 - 4	<b>Data handling</b> Mars Rover 1 3 lessons - 1, 2 and 4	<b>Online Safety - Y5</b> 3 lessons - 1, 4 and 5	<b>Creating media</b> Stop motion animation Option 2 – with cameras 4 lessons – 1 - 4	<b>Programming</b> Programming music Option 1 – Sonic Pi	Consolidating skills / revisiting a unit
<b>5/6</b>	<b>Computing systems and networks</b> Search Engines - Option 2 - Office 365 4 lessons - 1 - 4	<b>Data handling</b> Mars Rover 1 3 lessons - 1, 2 and 4	<b>Online Safety – Y5</b> 3 lessons - 1, 4 and 5	<b>Creating media</b> Stop motion animation Option 2 – with cameras 4 lessons – 1 - 4	<b>Programming</b> Programming music Option 1 – Sonic Pi	<b>Skills Showcase</b> Mars Rover 2
<b>6</b>	<b>Computing systems and networks</b> Bletchley Park Option 2 – Office 365 3 lessons – 1 - 3	<b>Data handling</b> Big data 1 4 lessons – 1,3,4 and 5	<b>Online Safety – Y6</b> 4 lessons – 1,2,4 and 6	<b>Creating media</b> History of computers 3 lessons – 3 - 5	<b>Programming</b> Introduction to Python 4 lessons – 1 - 4	<b>Skills Showcase</b> Inventing a product

The computing curriculum provides each year group with five units of learning ensuring that there is a balanced coverage of the five key areas of learning; computing systems and networks, programming, creating media, data handling and online safety, through 18 lessons.

This programme of study is following the condensed Kapow curriculum and individual units can be extended or consolidated where required.

Years 4/5 and 5/6 have a mirrored programme of study from Autumn to Summer 1 term.

All year groups have a specific online safety unit in Spring 1 term to coincide with E-safety week / Safer Internet day on Tuesday 6<sup>th</sup> February 2024.

Online safety will be discussed in all computing and PSHE sessions where applicable

Years 1, 4, 5/6 and 6 have an optional Skills Showcase unit in Summer 2 term. These units give children the chance to combine and apply skills and knowledge gained to produce a specific outcome.

All work and observations for computing sessions to be recorded in an online journal using the Seesaw application.