Computing Long Term Plan

At Pilgrim Academy, we use the Kapow computing scheme to support our computing curriculum, which we have adapted for our school.

Cycle 1		
Year 1/2	**Usual curriculum year**	**Key area**
Algorithms unplugged (4 lessons. Lessons 1,2,4,5)	Year 1	Programming
Improving mouse skills (3 lessons. Lesson 1-3)	Year 1	Computing systems and networks
Online Safety Year 1 (All lessons)	Year 1	Online Safety
What is a computer? (3 lessons. Lesson 1,2 and 5)	Year 2	Computing systems and networks
Algorithms and debugging (4 lessons. Lesson 1, 2, 4 and 5)	Year 2	Programming
Word processing (4 lessons, Lesson 1,2,3 and 5)	Year 2	Computing systems and networks
Year 3/4	**Usual curriculum year**	**Key area**
Networks and the Internet (3 lessons. Lessons 1, 3 and 5 only)	Year 3	Computing systems and networks
Programming: Scratch (4 lessons. Lessons 1,2,4 and 5 only)	Year 3	Programming
Video trailers (4 lessons. Lessons 1 to 4)	Year 3	Creating media

Online Safety Year 3 (All lessons)	Year 3	Online Safety
Further coding with Scratch (3 lessons. Lesson 2 to 4)	Year 4	Programming
Computational thinking (4 lessons. Lesson 1 to 4)	Year 4	Programming

Year 5/6	**Usual curriculum year**	**Key area**
Programming music – Sonic Pi (4 lessons. Lesson 1 to 4)	Year 5	Programming
Mars Rover 1 (3 lessons. Lesson 1, 2 and 3)	Year 5	Data Handling
Online Safety Year 5 (All lessons)	Year 5	Online Safety
Bletchley Park (3 lessons. Lesson 1 to 3)	Year 6	Computing systems and networks
History of computers (3 lessons. Lesson 3 to 5)	Year 6	Creating Media
Inventing a product	Year 6	Skills Showcase

Cycle 2		
Year 1/2	**Usual curriculum year**	**Key area**
Bee-bots (4 lessons. Lessons 1,3,4 and 5)	Year 1	Programming
Digital Imagery (3 lessons. Lesson 1-3)	Year 1	Creating Media
Scratch Jr (4 lessons. Lesson 1, 2, 4 and 5)	Year 2	Programming
Online Safety Year 2 (All lessons)	Year 2	Online Safety
International Space Station (3 lessons. Lesson 1,3 and 5)	Year 2	Data Handling
Rocket to the moon	Year 1	Skills Showcase
Year 3/4	**Usual curriculum year**	**Key area**
Comparison Cards (4 lessons. Lesson 1,2,3 and 5)	Year 3	Data handling
Journey inside a computer (3 lessons. Lessons 1,2 and 5)	Year 3	Computing systems and networks
Collaborative Learning (4 lessons. Lessons 1,3,4 and 5)	Year 4	Computing systems and networks
Investigating Weather (4 lessons. Lessons 1,3,4 and 5)	Year 4	Data Handling
Online Safety Year 4 (All lessons)	Year 4	Online Safety
HTML	Year 4	Skills Showcase
Year 5/6	**Usual curriculum year**	**Key area**

Stop motion animation (4 lessons. Lesson 1 to 4)	Year 5	Creating Media
Micro:bit (All lessons)	Year 5	Programming
Search engines (4 lessons. Lessons 1-4)	Year 5	Computing systems and networks
Big data 1 (4 lessons. Lesson 1,3,4 and 5)	Year 6	Data Handling
Online Safety Year 6 (All lessons)	Year 6	Online Safety
Introduction to Python (4 lessons. Lesson 1 to 4)	Year 6	Programming