Pilgrims' Way Primary School
Whole School Computing Overview 20/21

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EYFS	Understanding the World (Technology) Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes					
Yr1	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Use technology safely and respectfully. Recognise common uses of information technology beyond school.	Use technology purposefully to manipulate and retrieve digital content Use technology safely and respectfully	To use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Use technology purposefully to create digital content. Understand how [algorithms] are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions Understand what algorithms are and that programs execute by following precise and unambiguous instructions. Create and debug simple programs.	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To understand that programs execute by following precise and unambiguous instructions. To use logical reasoning to predict the behaviour of simple programs. To create and debug simple programs. To understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
Yr 2	Recognise common uses of information technology beyond school. Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when	To use technology purposefully to create, organise, store, manipulate and retrieve digital content	Use technology safely and respectfully. Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Understand what algorithms are, and that programs execute by following precise and ambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs.	To use technology purposefully to retrieve digital content. To use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns	Understand what algorithms are, and that programs execute by following precise and ambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs

	they have concerns about content or contact on the internet or other online technologies.				about content or contact on the Internet or other online technologies. Use technology purposefully to create, organise and store digital content. Use technology safely and respectfully, keeping personal information private.	
Yr 3	Use technology safely, respectfully and responsibly; recognise acceptable and unacceptable behaviour; identify a range of ways to report concerns about content and contact. Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration. Use search technologies effectively, appreciate how results are	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Understand methods of historical enquiry including how evidence is used to make historical claims. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	Use technology safely, respectfully and responsibly. Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

	selected and ranked, and be discerning in evaluating digital content.		concerns about content and contact			
Yr 4	Analyse, evaluate and present data and information. Use a variety of software, on a range of digital devices, to design and create content that accomplish given goals. Select, use and combine a variety of software including analysing, evaluating and presenting data and information.	Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.	Create content that accomplish given goals. Solve problems by decomposing them into smaller parts. Write and debug programs that accomplish specific goal. Use sequence and selection in programs. Work with variables.	Select, use and combine a variety of software on a range of digital devices to design a range of programs, systems and content that accomplish specific goals.	Select, use and combine a variety of software to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

Yr 5	Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	Select, use and combine a variety of software (including Internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Select, use and combine a variety of software (including Internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	Select, use and combine a variety of software to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
Yr 6	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables	Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	Select, use and combine a variety of software, including evaluating and presenting data and information. Use logical reasoning to explain how some simple algorithms work. Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve	Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Understand computer networks including the internet and the opportunities they offer for communication and collaboration. Use a variety of software on a range of digital	Select, use and combine a variety of software to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

and various forms of input and output. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.			problems by decomposing them into smaller parts. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.	devices to design and create a range of content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	