YR	Throughout the year reception will use the class interactive whiteboard, the ipads, robots and bee-bots, the class touch screen computers and talking tins to help meet the following early learning goals: • Communication and language- using ipads and sound buttons to record each other. Listening station where children can listen to stories and music • Personal, social and emotional- use of computer to show things from home • Literacy- developing reading and phonics using the computers and ipads to play games. Using interactive whiteboard to share online books. • Maths- whole class maths games and follow up on the computers using busythings and minimash • Art- using the 2paint programme developing their motor and creative skills • Understanding the world- taking photos using the ipads					
Year Group	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Y1	**Technology around us** use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school use technology safely and respectfully	**Digital painting** use technology purposefully to create, organise, store, manipulate and retrieve digital content	**Digital writing** use technology purposefully to create, organise, store, manipulate and retrieve digital content use technology safely and respectfully	**Grouping data** use technology purposefully to create, organise, store, manipulate and retrieve digital content use technology safely and respectfully	**Moving a robot** understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions create and debug simple programs use logical reasoning to predict the behaviour of simple programs	**Introduction to animation** understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions create and debug simple programs use logical reasoning to predict the behaviour of simple programs use technology purposefully to create,

					recognise common uses of information technology beyond school	organise, store, manipulate and retrieve digital content
Y2	IT around us

use technology purposefully to create, organise, store, manipulate and retrieve digital content

recognise common uses of information technology beyond school

use technology safely and respectfully | Digital photography

use technology purposefully to create, organise, store, manipulate and retrieve digital content

recognise common uses of information technology beyond school

use technology safely and respectfully | Making music

use technology purposefully to create, organise, store, manipulate and retrieve digital content | Pictograms

use technology purposefully to create, organise, store, manipulate and retrieve digital content

use technology safely and respectfully | Robot algorithms

understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions

create and debug simple programs

use logical reasoning to predict the behaviour of simple programs

use technology purposefully to create, organise, store, manipulate and retrieve digital content | An introduction to quizzes

understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions

create and debug simple programs

use logical reasoning to predict the behaviour of simple programs |

Y3	Connecting computers	Animation	Desktop publishing	Branching databases	Sequence in music	Events and actions
	use sequence, selection, and repetition in programs understand computer networks including the internet select, use and combine a variety of software 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 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	design, write and debug programs that accomplish specific goals use sequence, selection, and repetition in programs 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 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 and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	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 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 use sequence, selection, and repetition in programs 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 and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

Y4	The internet	Audio editing	Photo editing	Data logging	Repetition in shapes	Repetition in games
	understand computer networks including the internet

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 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 | 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 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 | design, write and debug programs that accomplish specific goals

use sequence, selection, and repetition in programs

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 and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information | use sequence, selection, and repetition in programs

select, use and combine a variety of software and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information | 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 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 | design, write and debug programs that accomplish specific goals

use sequence, selection, and repetition in programs

use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs |

Y5	Sharing information	Vector drawing	Video editing	Flat-file databases	Selection in physical computing	Selection in quizzes
	design, write and debug programs that accomplish specific goals use sequence, selection, and repetition in programs understand computer networks including the internet select, use and combine a variety of software 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	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 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	design, write and debug programs that accomplish specific goals use sequence, selection, and repetition in programs 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 and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	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 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 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 use sequence, selection, and repetition in programs 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 and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

Y6	Communication	3D Modelling	Web page creation	Spreadsheets	Variables in games	Sensing
	design, write and debug programs that accomplish specific goals	select, use and combine a variety of software and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	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 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	design, write and debug programs that accomplish specific goals
	understand computer networks including the internet		select, use and combine a variety of software and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information		use sequence, selection, and repetition in programs	use sequence, selection, and repetition in programs
	use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	use technology safely, respectfully and responsibly	use technology safely, respectfully and responsibly		use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	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 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 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 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					