	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Nursery	**Children can name some technology**		**Children access basic technology**		**Children access technology which uses algorithms**	
	Composite task- Children name technology in the classroom		**Composite task- Children can turn appropriate technology on/off**		**Composite task- Children know when they press a button on the beebot, it will move**	
	Vocab: Computer, laptop, tablet		Vocab: screen, power		Vocab: beebot	
					Retrieval: Children name technology	
Reception	**Children can code a 2 step algorithm**		**Children can code a 3 step algorithm**		**Children can log on to a computer/tablet**	
	Composite task- Children can code 2 step algorithm to move a beebot		**Composite task- Children can code a 3 step algorithm to move a beebot**		**Composite task- children log in with reminders from adults**	
	Vocab: order, instruction, algorithm		Vocab: algorithm, code		Vocab: mouse, keyboard, screen, tower	
	Retrieval: children can turn appropriate technology on/off		Retrieval: Children look at other technology which uses algorithms		Retrieval: what is an algorithm?	
Year 1	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies	Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions Use technology purposefully to create, organise, store, manipulate	Use technology purposefully to create, organise, store, manipulate and retrieve digital content Use logical reasoning to predict the behaviour of simple programs.	Use technology purposefully to create, organise, store, manipulate and retrieve digital content	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	Recognise common uses of information technology beyond school Use technology purposefully to create, organise, store, manipulate and retrieve digital content

	and retrieve digital content				Use logical reasoning to predict the behaviour of simple programs. Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	
	Composite task- Children make poster with important parts of online safety. Take picture of children logging on to purple mash keeping password safe. Unit 1.1 online safety and exploring purple mash	**Composite task- Take picture of children grouping and sorting using on computer. Using pictograms with bears.** Unit 1.2 Grouping and sorting Unit 1.3 Pictograms	**Composite task- Take picture of children solving maze.** Lego builders 1.4 Maze explorers 1.5	**Composite task- Children to save their animations in class work.** Unit 1.6 Animated Story Books	**Composite task-** **Take picture of children during coding activity.** Unit 1.7 Coding	**Composite task-** Unit 1.8 Spreadsheets Unit 1.9 Technology outside school Take a picture of children using spread sheets.
	Vocab: Online, safety , website.	Vocab: instructions, data, sort, group	Vocab: solve, steps, predict	Vocab: Animation, picture , move	Vocab: debug, code,	Vocab: Data, technology

					instructions, solve, tell	
	Retrieval: children use beebots and recap algorithms	Retrieval: children recap using a computer and naming some of the parts.	Retrieval: children are reminded of online safety, keeping passwords safe and to tell an adult if unsure.	Retrieval: children are reminded of online safety, keeping passwords safe and to tell an adult if unsure.	Retrieval: Children discuss why keeping a password is important and how and why we need to be able to search effectively.	Retrieval: Children to group and sort and discuss how technology could help
Year 2	**use technology safely and respectfully** keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	**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 and use logical reasoning to predict the behaviour of simple programs	**recognise common uses of information technology beyond school** use technology purposefully to create, organise, store, manipulate and retrieve digital content	use technology purposefully to create, organise, store, manipulate and retrieve digital content.	use technology purposefully to create, organise, store, manipulate and retrieve digital content	use technology purposefully to create, organise, store, manipulate and retrieve digital content

	Composite task- create a poster of information (tapestry) Unit 2.2 Online safety	**Composite task- Mixture of saved work but primarily take a picture of kids doing coding on computer.** Unit 2.1 coding	**Composite task- Take picture of children's search bar or print off and get children to write down how they would search for something online.** **Record or take picture of children's music** Making music Unit 2.7 Effective searching Unit 2.5	**Composite task- Take picture of the pictogram's children have done printed or on screens.** Unit 2.4 Questioning Using and Creating Pictograms	**Composite task- Print out and take pictures of children's art work** Unit 2.6 Creating Pictures	**Composite task-** Unit 2.3 Spreadsheets
	Vocab: online ,safe, computer , tablet, game, computer, search, tablet	Vocab: debug.	Vocab: Search, type, create, look for	Vocab: Question, data, present, show	Vocab: art, colour, tool	Vocab: Spreadsheet, data, show

Retrieval: Children use bee bots to predict behaviour.	Retrieval: Children to revisit what an animation was and how technology can be used to create.	Retrieval: Children to explore 2 code again	Retrieval: Children to collect data on friends and discuss what Technology they would use to input	Retrieval: online safety used and talked about throughout year	Retrieval: Children to try 2 code again

Red = Knowledge   Black = Skills