

Computer Science Long term plan 2026

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Little Acorns	All about me: Skill- pressing buttons to make things work using age appropriate equipment: light up phones. Model using the telephones in the role play to call family members.	Colours Everywhere Skill: Operating headphones or CD player to make the story / songs play- pressing buttons to make the story play.	Under the sea Skill: To use finger or knuckle on a whiteboard to make an object move or create a mark using age appropriate games. Children can operate the CD player independently.	Transport: To use age appropriate technology to record their singing. Using the iPad with support, children can photograph mini vehicles. Children to use recordable microphones to sing songs into.	Minibeasts: Skill: To follow a set of instructions to build a house- adult to support and guide children to follow instructions. Listening headphones: Children operate headphones to listen to stories.	Summer time Technology: Skill :. Introduce remote control animals- can the children make the animals move forward/backwards. Vocab: forward, backward, turn, go, press, buttons.
F1	AUse a paint/drawing program on computer or interactive whiteboard for children to draw pictures of themselves, family and friends Provide an audio copy of nursery rhymes, along with a hard copy and related props, for children	Sequencing: Cut a large picture of Humpty Dumpty into pieces and hide them around the setting. Provide the children with a digital camera or tablet to take photos of the pieces they find.	Spr1 Traditional tales The Billy Goats Gruff: Microphones, ipads available for children to record themselves telling story. Paint/drawing program on IWB or computer for children to sequence a story or draw a picture.	Spring 2 Who's in the garden? Paint program on the interactive whiteboard or tablet for children to draw mini-beast pictures. Selection of minibeasts Provide the children with a digital camera or tablet to take	Using programmable toys (cars) to move forwards and backwards.	Barefoot resources - (Algorithm) Use local maps and discuss occupations and partner work to direct instructions to deliver/drive to shops. Making patterns on emergency service cars. Use microphones to sing songs into. Use mobile phones (toys) to call for help- copying the number on the cards. Recording or voices and images.

	to listen to.			photos of the minibeasts		
F2	Technology Computer Science: Exploring interactive board:	Technology Digital Literacy Mobile phones and recordable devices.	Technology Digital Literacy Torches- light/dark Children to understand that by pressing a button they can make the light work on and off	Technology Information Safety Internet Day Internet safer day- linked with whole school- staying safe online.	Technology: Computer Science Metal detectors. Remote control cars: making them move around a track following directions e.g arrows for forwards and backwards.	Technology: Digital Literacy iPad- record a story. Looking at iPad and how they turn on and off- Using the camera to take photographs and record to create mini videos. Introduction to laptops- turning on and off- logging on and finding a program.
Year 1	iAlgorithm	iSafe	iProgram	Digital Writing (Teach Computing)	Digital Painting (Teach Computing)	Data and information - Grouping Data (Teach Computing)
Year 2	I safe (Health week focus) Unit 1- IT around us	Unit 2- Digital photography	Isearch linked to History Unit 3-Robot algorithms	I compute – I animate Class project journey of a piece of litter	Icompute- Ipublish	Unit 6- Programming Quizzes (scratch)