The Use of Technology/ Computing in the EYFS

Topic	Ideas
Computational Thinking	Understanding the world/ Communication & Language: Use language from these posters to reinforce processes in the learning landscape
Light boxes	Maths/ Expressive Art & Design: Collect sticks from a walk for tallying/ to create pictures.
	Use shapes to create pictures, numbers, patterns, counting on 5/10 frame
	Understanding the world:- Investigate plants. See veins under light
	Physical development: Fine motor skills: tweezers & pompoms, drawn shapes to move them into
	Expressive arts & design: Create 3 structure playdough & straws
	Literacy- mark making- tracing over lines, letters
	(equip: colourful, magnetic tiles and 3D shapes, natural items from outside walks, transparent coloured cups- could be numbered and, 5 and 10 frames on cellotphane and add mirrors
	https://www.pinterest.co.uk/amylouisesmith/early-years-light-box/
Ipads	Use PM generally
	Understanding the world/ Expressive art and design/ Physical development/ Maths: Children take photos, print, laminate then chop up into zig zag/ shapes to create puzzles of themselves to use
	Understanding the world/ communication & Lang/ Literacy: MashCams on PM
	Maths/ Literacy: Children take photos of a number/ letter or sound hunt
	Communication & Lang: Record telling stories to each other to rewatch
	Communication & Lang/ Literacy: Record nursery rhymes said/ acted out to rewatch
	Understanding the world/ Maths: Programming- Beebot app, Daisy Dinosaur App
	Expressive Arts & Design: Use 2Paint- draw a self-portrait at beginning of year then at end of year to see progress

Laptops	Literacy/ Communication &Lang: 2create a story- mark making and record spoken story Expressive Arts & Design: Purple Mash - 2Paint – linked to themes & topics – templates of minibeasts, flowers etc Literacy + Expressive Arts and Design – Design your own border for a poster (Purple Mash – Page Border) Understanding the World – Discovery Education – Espresso video clips I.e. animals, seasons + activities to complete too Literacy/Phonics - Purple Mash Phonics games or Espresso games
Talking tin Sound buttons	Communication & Language: record children's thoughts Have a child retelling a story of their own/ well known one
Talking clipboards	Literacy & communication & Lang: Children mark make on clipboard & then record this into the clipboard mic
Home corner	Understanding the world: full of gadgets/ equipment to push buttons & make things happen e.g. kitchen scales, kettle + old telephone, mobile phones, calculators, stop watches, clocks, typewriter, laptop, electric scales, cooking scales an old Alexa *Electric scales in playdough area too
Keyboard unplugged	Literacy: Type up individual sounds which have been covered, red words or RWI green words, their name
Programming unplugged & plugged (Cooking, instruction for PE, maths)	Understanding the world: cooking- order cards for stages of cooking, could take photos and create your own Communication & language/ Physical development: Create grid out of chalk on playground and children direct another child to shapes/ letters or numbers in grid. Physical Development/ Maths: Follow route on a peg board from image on card Literacy/ Maths: Read a story/ nursery rhyme. Retell story on grid by programming children to act out algorithm or Beebot. Use a piece of square paper to represent each Beebot move. Can create a maze with wooden blocks and direct Beebot through it – end point...a Beebot garage! Use 2Go if children are ready- basic arrows and large grid lines.
Technology in our lives	Understanding the world: Bring in photos of technology at home (or real life things – see 'Home Corner' section) to create posters, cut out images of technology from magazines. Ask Alexa Literacy: Use mark making to create labels for technology in classroom

Data Handling	Maths: Collect information and represent using children to stand in lines THEN cubes/ objects on large paper THEN Use 2Count to collect children's preferences for cooking e.g. sandwich fillings. Christmas party fruit/ crisps or all about me- hair/ eye colour or favourite playtime game, favourite animal. Can ask verbal questions about data. + 2Graph – used to record data I.e. which group grew the tallest sunflower, which group grew the most potatoes etc. Can be used for Book Votes too!
Online Safety	List of online safety song/ texts to use throughout the year Online Safety Book List WHF.pdf