



Computational Thinking – Short term plan

Intent	Metacognition	Implementation	Development Matters		
			Impact: Playing and exploring	Impact: Active learning	Impact: Creating and thinking critically
To support children to hear, understand, apply and independently use the language and skills of computing.	Ahead & Back	Using the Barefoot Computing concepts and approaches, children will work through a range of practical activities. Each activity will support children to hear, understand, apply and use the language of computing.	Realise that their actions have an effect on the world, so they want to keep repeating them.	Show goal-directed behaviour	Review their progress as they try to achieve a goal. Check how well they are doing.
Use computational thinking, along with metacognitive thinking to explore different concepts, in practical and manageable ways	Question & Explain	Concepts: Logic Algorithm Decomposition Pattern	Plan and think ahead about how they will explore or play with objects.	Begin to correct their mistakes themselves.	Solve real problems
Children will solve problems using increasingly complex thinking strategies both independently and collaboratively.	Look/Listen & Zoom	Abstraction Evaluation Approaches: Tinkering Debugging Creating Persevering Collaborating	Make independent choices.	Keep on trying when things are difficult.	Know more, so feel confident about coming up with their own ideas.
	Vary & Test		Respond to new experiences that you bring to their attention.		Make more links between those ideas.

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