



## Coding Express Long Term Plan - EYFS

Lego Coding Express develop children's understanding of cause and effect relationships, and early coding concepts, such as sequencing, looping, and conditional statements. Our children's learn early coding skills, like problem-solving, computational thinking, and using digital tools to design and express ideas.

Using Coding Express Set, children intuitively use computational thinking to develop designs and express ideas as they build a train and tracks, and position action bricks to affect the train's behaviour. Coding Express helps our children to become problem-solvers by enhancing their creativity, collaboration, and communication skills.

	Nursery	Reception
Coding Express Project	<b>Beginner - First Trip</b> <i>L.O. understand the function of action bricks</i> <i>L.O understand how to use the different types of bricks</i> <i>L.O use action bricks to complete tasks</i>	<b>Intermediate – Character – Caterpillar</b> <i>L.O understand that the action bricks' behaviour can be changed using the app</i> <i>L.O recognize and understand different emotions</i> <i>L.O be able to use the app to create stories</i>
	<b>Beginner - Train Sound</b> <i>L.O understand the function of action bricks</i> <i>L.O use action bricks to complete tasks</i> <i>L.O define the train's journey (sequencing)</i>	<b>Intermediate – Music – Animal Concert</b> <i>L.O. understand that the action bricks' behaviour can be changed using the app</i> <i>L.O be able to recognize different animal sounds</i> <i>L.O. be able to compose a simple melody using digital tools</i>
	<b>Intermediate – O-Shaped Track – Looping</b> <i>L.O understand use of the O-shaped track for repeating sequences</i> <i>L.O be able to compare different train track shapes and their uses</i>	<b>Advanced – Journey – Trouble on the Road</b> <i>L.O understand that the action bricks' behaviour can be changed using the app</i> <i>L.O. understand various traffic signs</i> <i>L.O. be able to solve common problems on the road</i>
	<b>Intermediate – Y-Shaped Track – Conditional Statements</b> <i>L.O understand that the Y-shaped track provides options</i> <i>L.O design and optimize solutions</i> <i>L.O be able to compare different train track shapes and their uses (i.e., sequencing, looping and conditional statements)</i>	<b>Advanced – Math – Distance</b> <i>L.O understand how to measure distance</i> <i>L.O be able to compare distances</i> <i>L.O be able to do simple math</i>