

## The robotics engineer progression document

Birth to three- babies, toddlers and young children will be learning to:	3 and 4-year-olds will be learning to:	Children in reception will be learning to:	Early Learning Goal:
Compare amounts, saying 'lots', 'more' or 'same'.	Compare quantities using language: 'more than', 'fewer than'.	Understand the 'one more than/one less than' relationship between consecutive numbers.  Compare numbers.	<b>Mathematics ELG: Numerical Patterns</b> – Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity;
Notice patterns and arrange things in patterns	Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'  Describe a familiar route.  Discuss routes and locations, using words like 'in front of' and 'behind'.	Continue, copy and create repeating patterns.	<b>Mathematics: Shape, space and pattern</b>

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Birth to three- babies, toddlers and young children will be learning to:	3 and 4-year-olds will be learning to:	Children in reception will be learning to:	Early Learning Goal:
Notice differences between people.	Show interest in different occupations.	Name and describe people who are familiar to them.	<b>Understanding the World ELG: Past and Present</b> – Talk about the lives of the people around them and their roles in society;
Repeat actions that have an effect.  Explore materials with different properties.	Explore how things work.  Talk about what they see, using a wide vocabulary.  Explore and talk about different forces they can feel.		<b>Understanding the World ELG: People, Culture and Communities</b> – Describe their immediate environment using knowledge from observation, discussion, stories, non-fiction texts and maps;
Start to develop pretend play.	Take part in simple pretend play.  Begin to develop complex stories.	Develop storylines in their pretend play.	<b>Expressive Arts and Design ELG: Creating with Materials</b> – Make use of props and materials when role playing characters in narratives and stories.

Early Learning Goals taken from: Early Years Foundation Stage Profile 2023 Handbook – Department of Education © Crown copyright 2022

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