

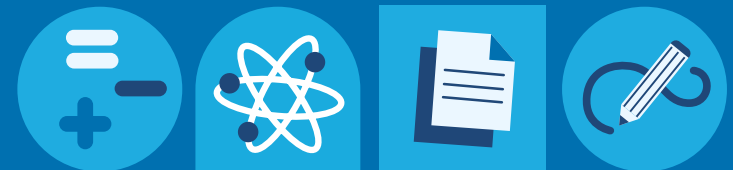
English Curriculum









Early Years Foundation stage

Teacher resource








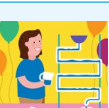
The table in this booklet is a guide to show you how the Let's do Engineering activities can meet early learning goals under the Statutory framework for the early years foundation stage









Click [here](#) to view the full framework and to learn more about the areas of learning and early years goals.











Let's do Engineering Activity	Areas of learning and early learning goals						
	Communication and Language	Personal, Social and Emotional Development	Physical Development	Literacy	Mathematics	Understanding the World	Expressive Arts and Design
 <p>The Engineer song Topic: Introducing Engineering Activity type: Music Engineers: All</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 		<ul style="list-style-type: none"> Gross Motor 	<ul style="list-style-type: none"> Comprehension 			<ul style="list-style-type: none"> Being Imaginative and Expressive
 <p>Top Trumps Topic: Introducing Engineering Activity type: Game Engineers: All</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation 		<ul style="list-style-type: none"> Comprehension 			
 <p>Activity book Topic: Introducing Engineering Activity type: Activity sheets Engineers: All</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 	<ul style="list-style-type: none"> Comprehension Word Reading Writing 	<ul style="list-style-type: none"> Number Numerical Patterns 	<ul style="list-style-type: none"> Past and Present 	
 <p>Films - engineer interviews Topic: All Activity type: Films Engineers: All</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 			<ul style="list-style-type: none"> Comprehension 		<ul style="list-style-type: none"> Past and Present 	
 <p>Engineer posters Topic: All Activity type: Posters for classroom Engineers: All</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 			<ul style="list-style-type: none"> Comprehension 			
 <p>Engineering design cycle posters Topic: Introducing Engineering Activity type: Posters for classroom Engineers: All</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 			<ul style="list-style-type: none"> Comprehension 			
 <p>Build a rocket Topics: Space, Flight Activity type: Engineering challenge Engineer: Adah</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 				<ul style="list-style-type: none"> Creating with Materials
 <p>Hula hooping and orbits Topics: Space, Flight Activity type: Circus Engineer: Adah</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Gross Motor 				<ul style="list-style-type: none"> Being Imaginative and Expressive

Areas of learning and early learning goals



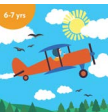



Let's do Engineering Activity	Communication and Language	Personal, Social and Emotional Development	Physical Development	Literacy	Mathematics	Understanding the World	Expressive Arts and Design
 <p>Build a wind turbine Topics: Climate Change, Energy Activity type: Engineering Challenge Engineer: Allison</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 		<ul style="list-style-type: none"> Number 	<ul style="list-style-type: none"> Natural World 	<ul style="list-style-type: none"> Creating with Materials
 <p>Scarf throwing and plate spinning Topics: Climate Change, Energy Activity type: Circus Engineer: Allison</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Gross Motor Fine Motor 			<ul style="list-style-type: none"> Natural World 	<ul style="list-style-type: none"> Creating with Materials Being Imaginative and Expressive
 <p>Make a blood model Topic: Health Activity type: Science experiment Engineer: Ameya</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 				<ul style="list-style-type: none"> Creating with Materials
 <p>Build a noisemaker Topics: Health, Flight Activity type: Engineering Challenge Engineer: Antonio</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 		<ul style="list-style-type: none"> Number 		<ul style="list-style-type: none"> Creating with Materials
 <p>Acoustic engineering songs Topics: Health, Flight Activity type: Music Engineer: Antonio</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Gross Motor 	<ul style="list-style-type: none"> Comprehension 			<ul style="list-style-type: none"> Being Imaginative and Expressive
 <p>Stencilling microchips Topic: Computing Activity type: Art Engineer: Christiaan</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 				<ul style="list-style-type: none"> Creating with Materials
 <p>Build your own water filter Topic: Health Activity type: Engineering Challenge Engineer: Denny</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 			<ul style="list-style-type: none"> People, Culture and Communities Natural World 	<ul style="list-style-type: none"> Creating with Materials
 <p>Elsie the Engineer Topic: Introducing engineering Activity type: Film Engineer: Diane</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 		<ul style="list-style-type: none"> Comprehension 			<ul style="list-style-type: none"> Being Imaginative and Expressive

Let's do Engineering Activity	Areas of learning and early learning goals						
	Communication and Language	Personal, Social and Emotional Development	Physical Development	Literacy	Mathematics	Understanding the World	Expressive Arts and Design
 <p>Introducing engineering (Diane) Topic: Introducing engineering Activity type: Activity sheet Engineer: Diane</p>	<ul style="list-style-type: none"> • Listening, Attention and Understanding • Speaking 	<ul style="list-style-type: none"> • Self-Regulation • Manage Self 	<ul style="list-style-type: none"> • Fine Motor 				
 <p>Introducing engineering (Doug) Topic: Introducing engineering Activity type: Engineering Challenge Engineer: Doug</p>	<ul style="list-style-type: none"> • Listening, Attention and Understanding • Speaking 	<ul style="list-style-type: none"> • Self-Regulation • Manage Self 	<ul style="list-style-type: none"> • Fine Motor 		<ul style="list-style-type: none"> • Number • Numerical Patterns 		<ul style="list-style-type: none"> • Creating with Materials
 <p>Simon Says and do coding Topics: Robots, Health Activity type: Games Engineer: Emilyann</p>	<ul style="list-style-type: none"> • Listening, Attention and Understanding • Speaking 	<ul style="list-style-type: none"> • Self-Regulation • Manage Self 	<ul style="list-style-type: none"> • Gross Motor • Fine Motor 		<ul style="list-style-type: none"> • Numerical Patterns 		<ul style="list-style-type: none"> • Creating with Materials • Being Imaginative and Expressive
 <p>Exploring materials Topic: Activity types: Science experiment, Game Engineer: Faisal</p>	<ul style="list-style-type: none"> • Listening, Attention and Understanding • Speaking 	<ul style="list-style-type: none"> • Self-Regulation • Manage Self 	<ul style="list-style-type: none"> • Fine Motor 			<ul style="list-style-type: none"> • Natural World 	<ul style="list-style-type: none"> • Creating with Materials
 <p>Painting with natural dyes Topic: Energy, Health Activity type: Art, Science experiment Engineer: Farnaz</p>	<ul style="list-style-type: none"> • Listening, Attention and Understanding • Speaking 	<ul style="list-style-type: none"> • Self-Regulation • Manage Self 	<ul style="list-style-type: none"> • Fine Motor 			<ul style="list-style-type: none"> • People, Culture and Communities 	<ul style="list-style-type: none"> • Creating with Materials
 <p>Famous structures around the world Topics: Climate Change, Structures Activity type: Game Engineer: Fionah</p>	<ul style="list-style-type: none"> • Listening, Attention and Understanding • Speaking 	<ul style="list-style-type: none"> • Self-Regulation • Manage Self 				<ul style="list-style-type: none"> • People, Culture and Communities 	
 <p>Structures and balancing Topics: Climate Change, Structures Activity type: Music Engineer: Fionah</p>	<ul style="list-style-type: none"> • Listening, Attention and Understanding • Speaking 	<ul style="list-style-type: none"> • Self-Regulation • Manage Self 	<ul style="list-style-type: none"> • Gross Motor 			<ul style="list-style-type: none"> • People, Culture and Communities 	<ul style="list-style-type: none"> • Being Imaginative and Expressive
 <p>Water clean up game Topic: Health Activity type: Game Engineer: Irene</p>	<ul style="list-style-type: none"> • Listening, Attention and Understanding • Speaking 	<ul style="list-style-type: none"> • Self-Regulation • Manage Self 	<ul style="list-style-type: none"> • Fine Motor 			<ul style="list-style-type: none"> • People, Culture and Communities 	

Areas of learning and early learning goals

Let's do Engineering Activity	Communication and Language	Personal, Social and Emotional Development	Physical Development	Literacy	Mathematics	Understanding the World	Expressive Arts and Design
 <p>Space junk tidy up Topic: Space Activity type: Game Engineer: Jinglang</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 				
 <p>Hula hooping and orbits Topic: Space Activity type: Circus Engineer: Jinglang</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Gross Motor 				<ul style="list-style-type: none"> Being Imaginative and Expressive
 <p>Build a tower/exploring foundations Topic: Structures Activity type: Engineering Challenge Engineer: Moh</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 		<ul style="list-style-type: none"> Number 		<ul style="list-style-type: none"> Creating with Materials
 <p>Computer vision game Topic: Computing Activity type: Game Engineer: Paul</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 			<ul style="list-style-type: none"> Number 		
 <p>Juggling Topic: Computing Activity type: Circus Engineer: Paul</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Gross Motor 				<ul style="list-style-type: none"> Being Imaginative and Expressive
 <p>Build a solar oven Topics: Climate Change, Energy Activity type: Engineering Challenge Engineer: Salma</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 			<ul style="list-style-type: none"> People, Culture and Communities Natural World 	<ul style="list-style-type: none"> Creating with Materials
 <p>Mission to Mars Topic: Space Activity type: Dance Engineer: Sara</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Gross Motor 	<ul style="list-style-type: none"> Comprehension 		<ul style="list-style-type: none"> People, Culture and Communities Natural World 	<ul style="list-style-type: none"> Being Imaginative and Expressive
 <p>Space rover design - app and craft Topic: Space Activity types: App, Art/Craft Engineer: Sara</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 			<ul style="list-style-type: none"> People, Culture and Communities Natural World 	<ul style="list-style-type: none"> Creating with Materials

Areas of learning and early learning goals

Let's do Engineering Activity	Communication and Language	Personal, Social and Emotional Development	Physical Development	Literacy	Mathematics	Understanding the World	Expressive Arts and Design
 <p>Build your own spectroscope Topic: Space Activity type: Science experiment Engineer: Sara</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 				<ul style="list-style-type: none"> Creating with Materials
 <p>Aeroplane model making Topic: Flight Activity types: Art/Craft, Activity sheet Engineer: Sarah</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 			<ul style="list-style-type: none"> Past and Present 	<ul style="list-style-type: none"> Creating with Materials
 <p>Amy Johnson songs Topic: Flight Activity type: Music Engineer: Sarah</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Gross Motor 	<ul style="list-style-type: none"> Comprehension 		<ul style="list-style-type: none"> Past and Present 	<ul style="list-style-type: none"> Being Imaginative and Expressive
 <p>Coral drama Topic: Climate Change Activity type: Drama Engineer: Uwe</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Gross Motor 	<ul style="list-style-type: none"> Comprehension 		<ul style="list-style-type: none"> Natural World 	<ul style="list-style-type: none"> Being Imaginative and Expressive
 <p>Coral dtrength testing Topic: Climate Change Activity types: Science experiment, Art Engineer: Uwe</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 	<ul style="list-style-type: none"> Fine Motor 			<ul style="list-style-type: none"> Natural World 	<ul style="list-style-type: none"> Creating with Materials
 <p>Comics Topic: Multiple Activity type: Comics Engineers: Adah, Doug, Faisal, Farnaz, Fionah, Jinglang, Irene, Sarah</p>	<ul style="list-style-type: none"> Listening, Attention and Understanding Speaking 	<ul style="list-style-type: none"> Self-Regulation Manage Self 		<ul style="list-style-type: none"> Comprehension 		<ul style="list-style-type: none"> Natural World 	<ul style="list-style-type: none"> Being Imaginative and Expressive