

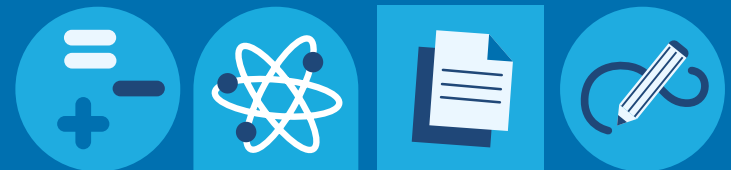
English Curriculum

Key Stage 1

Teacher resource

The table in this booklet is a guide to show you how the Let's do Engineering activities can meet key stage 1 learning requirements.

Click [here](#) to view the full English curriculum for key stage 1.



Let's do Engineering Activity	Subjects and Aims										
	Reading comprehension	Writing transcription	Number and place value	Measurement	Geometry properties of shapes	Working scientifically	Science	Science Materials	Art	Computing	Design and Technology
The Engineer song Topic: Introducing Engineering Activity type: Music Engineers: All	-	-	-	-	-	-	-	-	-	-	-
Top Trumps Topic: Introducing Engineering Activity type: Game Engineers: All	-	-	✓	-	-	-	-	-	-	-	-
Activity book Topic: Introducing Engineering Activity type: Activity sheets Engineers: All	✓	✓	✓	✓	✓	-	-	-	✓	-	-
Films - engineer interviews Topic: All Activity type: Films Engineers: All	✓	-	-	-	-	-	-	-	-	-	-
Engineer posters Topic: All Activity type: Posters for classroom Engineers: All	-	-	-	-	-	-	-	-	-	-	-
Engineering design cycle posters Topic: Introducing Engineering Activity type: Posters for classroom Engineers: All	-	-	-	-	-	-	-	-	-	-	-
Build a rocket Topics: Space, Flight Activity type: Engineering challenge Engineer: Adah	-	-	-	✓	✓	✓	-	-	-	-	✓

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Hula hooping and orbits Topics: Space, Flight Activity type: Circus Engineer: Adah	-	-	-	-	-	-	-	-	-	-	-
Build a wind turbine Topics: Climate Change, Energy Activity type: Engineering Challenge Engineer: Allison	✓	-	-	✓	✓	✓	Weather	✓	✓	-	✓
Scarf throwing and plate spinning Topics: Climate Change, Energy Activity type: Circus Engineer: Allison	-	-	-	-	-	✓	-	✓	✓	-	✓
Make a blood model Topic: Health Activity type: Science experiment Engineer: Ameya	-	-	-	-	-	✓	-	✓	-	-	✓
Build a noisemaker Topics: Health, Flight Activity type: Engineering Challenge Engineer: Antonio	✓	-	-	✓	-	✓	-	✓	-	-	✓
Acoustic engineering songs Topics: Health, Flight Activity type: Music Engineer: Antonio	-	-	-	-	-	-	-	-	-	-	-
Stencilling microchips Topic: Computing Activity type: Art Engineer: Christiaan	-	-	-	✓	✓	-	-	-	✓	✓	✓

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Build your own water filter Topic: Health Activity type: Engineering Challenge Engineer: Denny	-	-	-	✓	-	✓	-	✓	-	-	✓
Elsie the Engineer Topic: Introducing engineering Activity type: Film Engineer: Diane	✓	-	-	-	-	✓	-	-	-	-	-
Introducing engineering (Diane) Topic: Introducing engineering Activity type: Activity sheet Engineer: Diane	-	-	-	-	-	-	-	-	✓	-	-
Introducing engineering (Doug) Topic: Introducing engineering Activity type: Engineering Challenge Engineer: Doug	-	-	-	-	-	-	✓	-	-	-	✓
Simon Says and do coding Topics: Robots, Health Activity type: Games Engineer: Emilyann	✓	-	-	-	-	✓	-	-	-	✓	-
Exploring materials Topic: Activity types: Science experiment, Game Engineer: Faisal	-	-	-	✓	-	✓	-	-	-	-	✓
Painting with natural dyes Topic: Energy, Health Activity type: Art, Science experiment Engineer: Farnaz	-	-	-	-	-	✓	Plants	✓	✓	-	-

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Famous structures around the world Topics: Climate Change, Structures Activity type: Game Engineer: Fionah	-	-	-	✓	✓	-	-	✓	✓	-	✓
Structures and balancing Topics: Climate Change, Structures Activity type: Music Engineer: Fionah	-	-	-	✓	✓	✓	-	-	-	-	-
Water clean up game Topic: Health Activity type: Game Engineer: Irene	-	-	-	-	-	-	-	-	-	-	✓
Space junk tidy up Topic: Space Activity type: Game Engineer: Jinglang	-	-	-	-	-	-	-	-	-	-	✓
Hula hooping and orbits Topic: Space Activity type: Circus Engineer: Jinglang	-	-	-	-	-	-	-	-	-	-	-
Build a tower/exploring foundations Topic: Structures Activity type: Engineering Challenge Engineer: Moh	✓	-	-	✓	-	✓	-	✓	-	-	✓
Computer vision game Topic: Computing Activity type: Game Engineer: Paul	✓	-	-	-	✓	✓	-	-	-	✓	-

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Juggling Topic: Computing Activity type: Circus Engineer: Paul	-	-	-	-	-	-	-	-	-	-	-
Build a solar oven Topics: Climate Change, Energy Activity type: Engineering Challenge Engineer: Salma	✓	-	-	✓	-	✓	Weather	✓	✓	-	✓
Mission to Mars Topic: Space Activity type: Dance Engineer: Sara	-	-	-	-	-	-	-	-	-	-	-
Space rover design - app and craft Topic: Space Activity types: App, Art/Craft Engineer: Sara	-	-	-	-	-	-	-	✓	✓	✓	✓
Build your own spectroscope Topic: Space Activity type: Science experiment Engineer: Sara	-	-	-	✓	-	✓	-	✓	✓	-	✓
Aeroplane model making Topic: Flight Activity types: Art/Craft, Activity sheet Engineer: Sarah	-	-	-	✓	✓	✓	-	✓	✓	-	✓
Amy Johnson songs Topic: Flight Activity type: Music Engineer: Sarah	-	-	-	-	-	-	-	-	-	-	-

Subjects and Aims

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Coral drama Topic: Climate Change Activity type: Drama Engineer: Uwe	-	-	-	-	-	-	Animals	-	-	-	-
Coral strength testing Topic: Climate Change Activity types: Science experiment, Art Engineer: Uwe	-	-	-	✓	✓	✓	-	✓	✓	-	-
Comics Topic: Multiple Activity type: Comics Engineers: Adah, Doug, Faisal, Farnaz, Fionah, Jinglang, Irene, Sarah	-	-	-	-	-	-	-	-	-	-	-