

Leintwardine Endowed CE Primary School Learning Journey Itinerary

'Letting Our Light Shine'

SUBJECT: Design and Technology	YEAR : A	TERM : Autumn 1	YEAR GROUPS : 1-2
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Key Question: Can you design, make and evaluate a 3D fire engine?

Previous Knowledge – We would expect children to already be able to:
 Join together two pieces of material
 List some main parts of a fire engine
 Have an understanding of the emergency services and how they help us

END OF UNIT OBJECTIVES

Some children will not yet have met what is expected and will show that they are emerging because they can:	Most children will show that they have reached the expected level because they can:	Some children will have gone beyond the expected level and will show that they are exceeding because they can:
Name key parts of a fire engine Select appropriate materials Decide whether they could improve their design	Create a 2D fire engine Name the main parts of a fire engine and their uses Explore a brief and select the best way to create Experiment a range of materials and techniques to combine wheels, axles and chassis Make decisions about appropriate materials and tools to use for different tasks Use a variety of materials and tools safely and effectively to create a fire engine Evaluate their design	Evaluate their design and explain what they would change if making it again Closely follow a design brief to meet the criteria Create a 3D fire engine with useful moving parts, hose pipe, doors

ASSESSMENT OPPORTUNITIES

The final product

ENRICHMENT OPPORTUNITIES

Helping children to remember more

 History work on the Great Fire of London
 History craft, making houses from 1666
 Trips to the fire station
 Role play area as a fire station

SUBJECT SPECIFIC VOCABULARY

Brief
 Design
 Wheels
 Axels
 Chassis
 Evaluate
 Materials
 Tools
 Explore
 Different
 Variety
 Effective
 Fire engines and parts

CROSS-CURRICULAR LINKS

Links that we can make to help children make sense of what we want them to know and be able to do.

 Mark making through play
 Junk modelling
 Moving models being created
 Science, forces and moving
 PSHE – emergency services