

Year 2

DT Block (2 x 3 weeks)

DT Block one:

Links to History - Great Fire of London (previous block) - Fire engines.



To explore modern and 17th century fire engines and their features, before exploring, designing, creating and evaluating their own model fire engine using wheels, axles and chassis. (purpose moving vehicle for children to play)

Moving Vehicles



Skill Designing:

I have own ideas and plan what to do next
I can explain what I want to do and describe how I may do it
I can explain the purpose of the product, how it will work and how it will be suitable
I can describe design using pictures, words, models, diagrams
I can design and others can follow the criteria
I can choose the best material and tools and explain my choices
I can use knowledge of existing products for my ideas.



Skill Making:

I can explain what I am making and why it fits the purpose
I can make suggestion what to do next
I can join materials and components in different ways
I can measure, mark out and shape materials with support
I can describe which tools and need and why
I can use finishing techniques to make my product look good.
I can work safely.



Skill Evaluate:

I can say what I like and do not like about existing products.
I can say how well my designs and product met the given design criteria
I can talk about what I would do differently next time.



Technical knowledge (Materials/ Mechanism)

I begin to understand how to use wheels and axles
I can measure materials
I can describe different materials
I can use joining, rolling or folding to make it stronger.

DT Block two:

Design/make the lamp used by Florence Nightingale – ‘Lady of the Lamp’.



To be able to recreate Florence Nightingale’s lamp.



Skill Designing:

- I have own ideas and plan what to do next
- I can explain what I want to do and describe how I may do it
- I can explain the purpose of the product, how it will work and how it will be suitable
- I can describe design using pictures, words, models, diagrams
- I can design and others can follow the criteria
- I can choose the best material and tools and explain my choices
- I can use knowledge of existing products for my ideas. .



Skill Making:

- I can explain what I am making and why it fits the purpose
- I can make suggestion what to do next
- I can join materials and components in different ways
- I can measure, mark out and shape materials with support
- I can describe which tools and need and why
- I can use finishing techniques to make my product look good.
- I can work safely.



Skill Evaluate:

- I can say what I like and do not like about existing products.
- I can say how well my designs and product met the given design criteria
- I can talk about what I would do differently next time.



Technical knowledge (Textiles and Structures)

- I can measure materials
- I can join materials in different ways
- I can use joining, rolling or folding to make it stronger
- I can measure textiles
- I can join textiles and explain how I did it.
- I understand that a 3 D textile structure can be made from two identical shapes.