## Year 3

# DT Block (2 x 3 weeks)

#### DT Block one:

#### Stone-Age Shelters

# Links to History – Stone age





#### **Skill Designing:**

JKIII DESIGIIIIIg.

I can begin to research other's needs

I can show how the design meets a range of criteria

I can describe the purpose of the product

I can follow a given design criteria

I can create a plan which shows order, equipment and tools

I can describe a design and accurately label with words

I can make my own design decision

I can make a prototype

To be able to create a stone age shelter as part of a class settlement display.



#### **Skill Making:**

I can select suitable tools and explain my choices and begin to use them accurately

I can select materials which are fit for purpose

I can work through a plan in order

I can consider how good a product will be

I begin to measure, mark out and cut and shape materials and components with accuracy

I begin to apply a range of finishing techniques.



#### **Skill Evaluate:**

I can look at design criteria while designing and making

I can use design criteria to evaluate product

I can say what I would change to make a design better

I begin to evaluate existing products

I begin to understand by whom, when and where products were designed

I started to learn about inventors, designers of ground breaking products.



# <u>Technical Knowledge (Structures/Materials)</u>

I can use appropriate materials

I can work accurately making cuts and holes

# I begin to make structures stronger and stiffer.

# DT Block two: MOVING MONSTER



#### **Skill Designing:**

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I can show how the design meets a range of criteria

I can describe the purpose of the product

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I can create a plan which shows order, equipment and tools

I can describe a design and accurately label with words

I can make my own design decision

I can make a prototype



I can select suitable tools and explain my choices and begin to use them accurately

I can select materials which are fit for purpose

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I can consider how good a product will be

I begin to measure, mark out and cut and shape materials and components with accuracy

I begin to apply a range of finishing techniques. .



To be able to create a moving character from your favourite

book.

## **Skill Evaluate:**

I can look at design criteria while designing and making

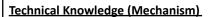
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To use simple lever and linkage

To start using pneumatics to create movement

To begin and try new different ideas

To discuss alteration to the product designed.