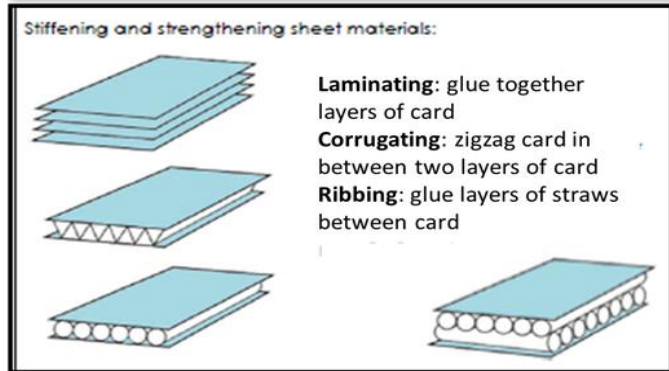
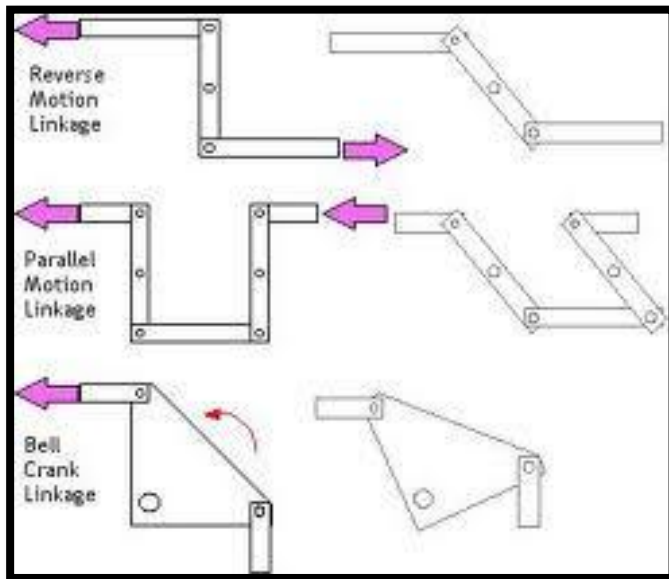
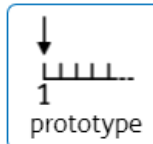
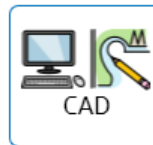
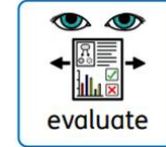
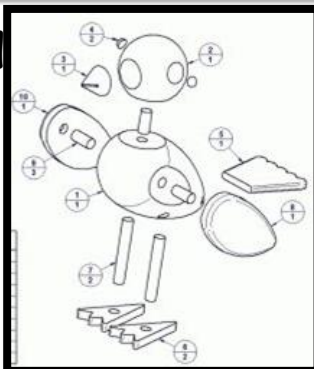




Exploded Diagram



Tier 2 Vocabulary

Specification

A list that describes what a product needs to do

Evaluation

To judge if a product meets chosen criteria

Design

A plan or drawing of your ideas

Innovative

Having a new idea

Topic (Tier 3) Vocabulary

CAD

Computer Aided Design

Linkage

A series of parts that are connected and can move

Prototype

A quick 3-D model used to check a design

Product

Something that is made

National Treasures

Childhood Puppets



Prior learning

How to strengthen materials

Working to design criteria

How shadows are made from work in science lessons

Rights of the Child/Global Goals

Article 13

Every child must be free to express their thoughts and opinions and to access all kinds of information, as long as it is within the law.

Global Goal 9

Industry, innovation and infrastructure

DT Big Ideas

We Are Engineers

Design: we use criteria to design products that do a job for a person or group.

Make: we make products that do a job or solve a problem.

Evaluate: we continually reflect on our work and that of others and we look for ways to improve it.

Technical Knowledge: we apply our understanding to make products that work.

running stitch

back stitch

whip stitch



Bonded



Woven



Knitted



Felted

Joining fabric



Gluing



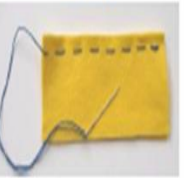
Stapling



Safety pin



Pinning



Sewing



Zip



Velcro



Clasp



Toggles



Ties



Buttons



Press studs

Fasteners

Tier 2 Vocabulary



evaluate

Look at and test your product. Does it do its job?



design

A plan or drawing of what you plan to make



criteria

A list that shows you what the thing you make should be like

Topic (Tier 3) Vocabulary



CAD

Computer Aided Design



applique

To attach a decorative fabric item onto another piece of fabric by gluing and/or sewing



seam

A row of stitches joining two pieces of fabric.



sew

To join pieces of fabric with stitches.



pattern

A shape drawn to assist in cutting out shapes.



prototype

A quick 3-D model used to check a design



product

The thing you are making

National Treasures

Charles Macintosh

In 1823, Charles Macintosh created waterproof fabric that is also flexible. He was a Scottish chemist and inventor. His material is used to make rain coats.



Rights of the Child/Global Goals

Article 13

Every child must be free to express their thoughts and opinions and to access all kinds of information, as long as it is within the law.

Global Goal 9: Industry, innovation and infrastructure

Prior learning

Types of materials, waterproof materials (KS1)
Working to design criteria (KS1)

DT Big Ideas

We Are Engineers

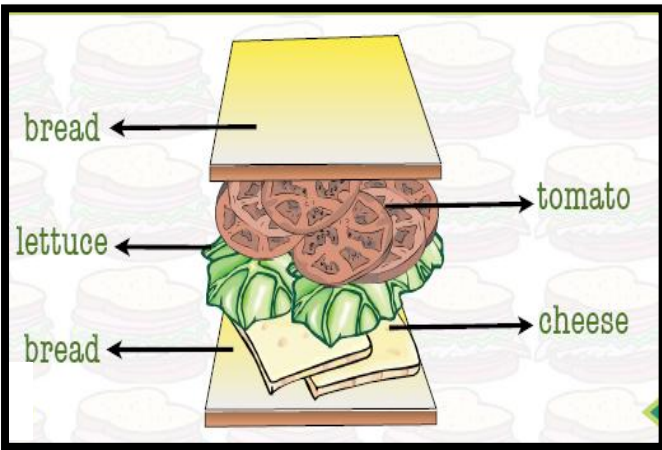
Design: we use criteria to design products that do a job for a person or group.

Make: we make products that do a job or solve a problem.

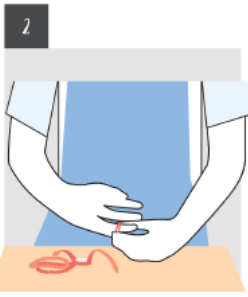
Evaluate: we reflect on our work all the time, we study other people's products and we look for ways to improve.

Technical Knowledge: we use our understanding to make products that work.

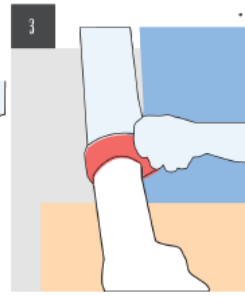
Exploded Diagram



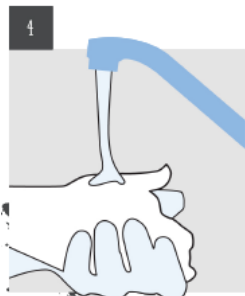
Tie back long hair



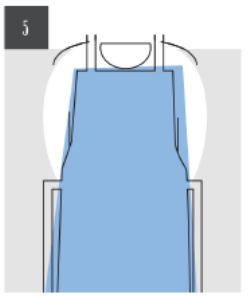
Remove jewellery



Roll up your sleeves



Wash your hands



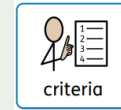
Put on a clean apron

Make sure your
equipment and food
preparation area
is clean

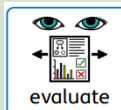
Tier 2 Vocabulary



A plan or drawing of what you plan to make



A list that shows you what the thing you make should be like



Look at and test your product.
Does it do its job?

Topic (Tier 3) Vocabulary



Gives you lots of energy



Helps your body grow and repair



Contains calcium which is good for
teeth and bones



Sweet
Used to flavor food



Good to taste but not healthy



The thing you are making

National Treasures

Afternoon Tea



Prior learning

Healthy, balanced diet (Y2)



Rights of the Child/Global Goals

Article 24

Every child has the right to the best possible health. Governments must provide good quality health care, clean water, nutritious food, and a clean environment and education on health and well-being so that children can stay healthy.

Global Goal 3

Good health and wellbeing

DT Big Ideas

We Are Engineers

Design: we use criteria to design products that do a job for a person or group.

Make: we make products that do a job or solve a problem.

Evaluate: we reflect on our work all the time, we study other people's products and we look for ways to improve.

Technical Knowledge: we use our understanding to make products that work.

Cooking and Nutrition: we use what we know about food to safely prepare healthy meals.