



Year 3 Design and Technology - Mechanisms: Levers and Linkages (DMEA)

Vocabulary:

Annotated sketch - a design that is marked with notes to help to explain it

Prototype - an early or first version of a product that you are designing

Slot - a hole which a lever is placed through to help part of a picture move

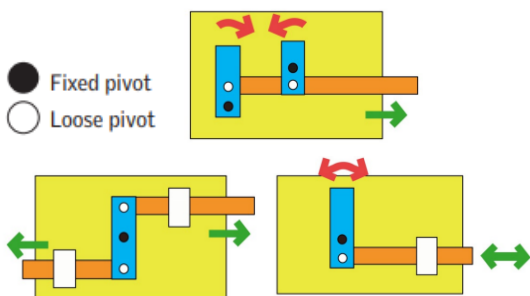
Pivot - a pin that a mechanical part turns on, it can be fixed or loose

Component - a part or element of something

System - a set of related components used to create an outcome

Lever - a rigid bar which moves around a pivot

Linkage - the card strips joining one or more levers to produce the type of movement required



Year 3 Groblox:

Design

DT3M2: I can use annotated sketches and prototypes to develop, model and communicate my ideas.

Make

DT3M4: I can select and use appropriate tools with some accuracy to cut, shape and join paper and card.

Evaluate

DT3M5: I can evaluate my ideas and own product during the design and making stages, against the user needs and design criteria.

Technical knowledge and understanding

DT3M6: I understand and can use lever and linkage mechanisms.

Previous Groblox:

DT1M5: I know that different mechanisms produce different types of movement.

Groblox Assessment

Code	Date	Traffic Light	Teacher	Date	Traffic Light	Teacher
DT3M2						
DT3M4						
DT3M5						
DT3M6						



Year 3 Design and Technology - Food: Healthy and varied diet

Vocabulary:

Ingredients - the items of food needed to make a recipe

Recipe - a list of ingredients and instructions for making a food dish

Grater - a kitchen tool with a surface full of holes and sharp edges that is used to break food into small pieces

Fresh food - food that has not been processed or cooked and is usually eaten soon after it is harvested or slaughtered

Processed food - food that has been treated or prepared using a special method

Skills and techniques



Grating cheese



Spreading butter on bread



Cutting using the bridge technique



Cutting using the claw technique

Year 3 Groblox:

DT3F1: I can assemble the ingredients and equipment specified by a recipe.

DT3F2: I can safely use a sharp knife, a peeler and a grater with increasing independence.

DT3F3: I can prepare food hygienically.

DT3F4: I know whether the ingredients in my product are fresh or processed.

Previous Groblox:

DT1F1: I can choose, with support, from a selection of fruits and vegetables according to their colour and taste to create a given product.

DT1F3: I can tell you where staple foods come from eg apples from a tree, meat from animals.

Groblox Assessment

Code	Date	Traffic Light	Teacher	Date	Traffic Light	Teacher
DT3F1						
DT3F2						
DT3F3						
DT3F4						



Wraps



Pitta bread sandwich



Sandwich



Year 3 Design and Technology - Textiles: Basic sewing skills

Vocabulary:

Thread a needle - to pass a sewing thread through the eye of the needle

Eye of a needle - the hole at the end of the needle which a thread is passed through

Cross stitch - a decorative sewing technique that uses stitches that cross to form an X

Buttonhole/blanket stitch - a looped stitch that can be used to create a firm edge on fabric to stop it fraying or as a decoration

Appliqué - to attach a piece of fabric as a decoration to another piece of fabric by sewing and/or glueing



Year 3 Groblox:

DT3T1: I can thread a large-eyed needle.

DT3T2: I can sew a button onto a piece of fabric.

DT3T3: I can do cross stitch and buttonhole/blanket stitch.

DT3T4: I know of and can talk about different ways of embellishing a product.

Previous Groblox:

DT2T3: I can join fabrics using running stitch.

DT2T4: I know and can explain some technical vocabulary eg template/pattern, mark out, join, embellish.



Groblox Assessment

Code	Date	Traffic Light	Teacher	Date	Traffic Light	Teacher
DT3T1						
DT3T2						
DT3T3						
DT3T4						

