

RESEARCH

WALT be able to research a product

To be successful, I need to:

- Explain how a product works
- Gather opinions of existing products
- Carry out research based on own needs
- How does the product meet design?



DESIGN

WALT be able to produce a plan and explain how it works.

To be successful, I need to:

- Use annotated diagrams
- Use cross sectional diagrams
- Use and create pattern pieces (fabric)



MAKING

MATERIALS AND STRUCTURE - Levers and Linkages



Skills

Working with card to create movement - distinguish between fixed and loose pivots. Create a prototype, Leavers and linkages - Linear, reciprocating, rotary and oscillating, Making a pop up mechanism

Tools/Materials

Card, tape, paper fasteners, glue, scissors, card drill

Vocabulary

cut, secure, join, reinforce, adhesive, measure mechanism, leer, linkage, slot, guide/bridge, pivot, loose/fixed, oscillating/reciprocating, user, purpose, design, model, evaluate, annotate, function, innovate

TEXTILES - Explorer's Bag



Skills

Sewing - backwards running stitch, oversew stitch
Cutting - securing template to fabric, cutting pattern pieces

Tools/Materials

Scissors, glue, thread, pins, needles, fabric glue, safety pins, stapler, tape, measuring tape
Fabrics and textiles, Aida material, felt, wool, buttons, paints, sequins

Vocabulary

fabric, fastening, compartment, zip, button, structure, finish, sew, stitch, seam, template, user, purpose, design, model, evaluate, annotate, function, innovate

COOKING & NUTRITION - Pesto pasta

Skills

Cutting - using bridge and claw technique; Grating and spreading



Tools/Materials

peeler, knife, grater, spoons, bowls, plates, trays

Vocabulary

diet, healthy, recipe, products, equipment, texture, ingredients, utensils, technique, preference, seasonal, harvest, grown,

EVALUATE

WALT be able to explain how to make improvements

To be successful, I need to:

- Refer back to design criteria and evaluate against this
- Adapt the product to meet different dietary requirements (dietary requirements, vegan substitutes)

