

TMS DT Launchpad - 2023/2024

Year 4

RESEARCH

WALT be able to research a product

To be successful, I need to:

- Investigate similar products
- Ask opinions about existing products
- Understand the product specification
- Draw on market research
- Evaluate similar products



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)
- Use exploded diagrams



MAKING

MATERIALS AND STRUCTURE - Pneumatics

Skills

Using syringes and pipes to create movement. Link to levers and linkages to create a more complex mechanical system. Fixing attaching,

Tools/Materials

Tubing, syringes/bottles, connectors, balloons, card, glue, tape, scissors,

Vocabulary

lever, linkage, pivot, slot, bridge, gap, guide, rotary, oscillation, linear, reciprocating, structure, shape, tabs, material, decide, join, evaluate, design brief, function, user, purpose, innovate



TEXTILES - Purses

Skills

Sewing- blanket stitch,
Cutting - using cutting out pattern pieces to avoid wastage.
Fastening - buttons, zips, velcro
Decorative stitches - cross stitch, Appliqué by gluing or stitching

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, compartments, zip, button, finish, structure, stitch, seam, evaluate, design brief, function, user, purpose, innovate



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 needs (dietary requirements, vegan substitutes)



COOKING & NUTRITION - Bread through the ages

Skills

Mixing, Rubbing, Kneading

Tools/Materials

Bowls, rolling pins, knives, cooling racks

Vocabulary

equipment, ingredients, utensils, smells, appearance, edible, hygiene, processed, seasonal,

