

RESEARCH

WALT be able to consider the needs of 3rd party users

To be successful, I need to:

- Draw on market research
- Carry out thorough evaluations of existing products
- Consider the purpose of products
- Set design criteria



DESIGN

WALT be able to produce and use diagrams

To be successful, I need to:

- Use cross sectional diagrams
- Use diagrams
- Use exploded diagrams
- Use CAD
- Explain how plans work



EVALUATE

WALT be able to adapt the product to meet the needs of a different demographic

To be successful, I need to:

- Explain how to make improvements
- Refer back to design criteria and evaluate
- Talk about things to change and reasons for this



MAKING

MATERIALS AND STRUCTURE - Explorer's Tent

Skills

Strengthen , stiffen and reinforce 3d Frameworks, Jinx joint
Joining straws - thread and tie; plastic tubing; pipe cleaner; straw flattened wrapped and glued.

Tools/Materials

Wood, card, paper straws, newspaper, dowel, hot glue, tape, bulbs, batteries, wires, switches, Clamps, hacksaw, bench hook,

Vocabulary

pulley, drive belt, gear, rotation, spindle, driver, ratio, motor, crank, transmit, axle, chain, shaft, research, innovate, user, purpose, fit for, evaluate, criteria



TEXTILES - Template to Product

Skills

Sewing -stem stitch, satin stitch

Fastening - zips, velco,

Joining - Appliqué (glueing)

Tools/Materials

Pins, needles, thread,measuring tape,left/right handed fabric scissors, pinking shears, iron, iron transfer paper,

Vocabulary

wadding, seam, hem, pick, unpick, template, pattern, pieces, fastening, pins, shears, research, innovate, user, purpose, fit for, evaluate, criteria



COOKING & NUTRITION - Is pizza healthy?

Skills

Mixing to combine, rubbing into mix, kneading bread; Selecting a balanced plate; Analysing nutritional content.

Skills from previous years to be recapped.

Tools/Materials

Bowls, rolling pins, peeler, knife, grater, spoons, bowls, plates, trays, baking trays

Vocabulary

ingredients, bake, herbs, flavour, aroma, taste, nutrients, seasonal,healthy, recipe, vitamins,

