

Learning Flow

Term 2 – Levers & linkages

What do we already know?

Topic Page - Prior knowledge, What do we already know? What questions do we have? What are Levers? How are they used?

Evaluate – What are levers and linkages

- [BBC Teach](#)
- What kinds of levers, linkages and fulcrums are there?
- How do they move?
- What parts are there?

Techniques workshop

- Understand and use lever and linkages, and fixed and loose pivots.
- How do pneumatics work?
- Practice making different types of lever and linkage

Design

- Design Criteria – Create a history booklet with moving parts using levers and linkages/ pneumatics
- Generate realistic ideas and use annotated sketches and prototypes to develop, model and communicate ideas.

Make

Select and use tools with some accuracy to cut, shape and join paper and card.

Make

Select and use tools with some accuracy to cut, shape and join paper and card.

Evaluate

- Does it fit design criteria? : Check your ? : Evaluate your lever.
- Answer these questions, what do you like about it?
- What will you change next time?
- What did you find difficult doing?
- What could you have done differently?

Learning Flow

Term 4 – Framed and Shell Structures

What do we already know?

Topic Page - Prior knowledge, What do we already know? What questions do we have? What are Levers? How are they used?

Research - What already exists?

- What is a structure?
- Differences between framed and shell structures
- What can they be used for?

- Design Criteria - design a shelter for seeds to germinate in, will need sunlight, warmth and water
- Draw a design, make it big and label the different parts.

Make

Techniques workshop

- Cutting
- Moulding
- Joining

Make

- Make shelter using design criteria and plan
- Use tools as appropriate to cut, mould and join

Make

- Make shelter using design criteria and plan
- Use tools as appropriate to cut, mould and join

Evaluate

- Does it fit design criteria?
- Evaluate your shelter by answering these questions:
- Does it allow the germinating seed to get what it needs to germinate, and grow?
- What do you like about it?
- What would you change next time?
- What did you find difficult doing?
- What could you have done differently?

Learning Flow

Term 6 – Food technology – Kebabs with medium resistance foods

Research – What already exists?

- What is a kebab?
- Sweet or savoury?
- What fruits/Veg go well together?
- Could you add in cheese?
- Class survey

Research

- Recipes
- Healthier substitutes

Design

- Design Criteria – design a savoury and a sweet kebab/skewer
- Draw a design, make it big and label the different parts.

Preparation

- Techniques workshop
- How would you present your snack?
- Labels for ingredients
- Name/Logo/Catchphrase

Make

- Follow a recipe
- Prepare ingredients

Evaluate

- Does it fit design criteria? : Check your muffins/rock cakes taste good. : Evaluate your snack by answering these questions,
- What do you like about it?
- What would you change next time?
- What did you find difficult doing?
- What could you have done differently