

Curriculum. Design & Technology

Year 5 (60 min lesson)

Michaelmas Term

STRUCTURES

- Investigate Lego structures
- Art straw challenges
- Maximum height to hold a given weight with a stated number of straws
- Learn how to make a newspaper strut (FPT)
- Make newspaper chairs to hold the weight of a child DMA

Lent Term

ELECTRICAL CIRCUITS

- Make switched circuit with components
- Draw circuit in pencil and on computer (Croc clips)
- Evaluate and draw a torch
- Make a quiz board Introduces soldering, use of craft knives IDE , FPT .

Summer Term

LEVERS ARTICULATED TOY

- Discuss levers in everyday objects - doors etc
- Show jumping jack + toys
- Design an articulated toy, model in card make in plywood
- Use of coping saw, screws and painting FPT , DMA