

Curriculum. Design & Technology

Year 6 (80 min lesson)

Michaelmas Term

BRIDGES

- Discuss bridge types, beam, arch, cantilever, suspension, make a loose block cantilever make and test paper beam sections
- Design and build an opening bridge in paper
- Draw 3 view tech drawing AUTOCAD DMA

Lent Term

ACRYLIC CLOCKS

- Consider the design process and the purpose for which things are designed look at clock designs discuss properties of acrylic
- Design, Model and Make a clock in acrylic introduces cutting, polishing and gluing DMA
- Use clip Art for inspiration

Summer Term

MECHANISMS - CAMS

- Discuss types of mechanism
- Idea of changing motion look at toys that use cams
- Design and make a toy or scene in a fixed frame that uses at least two cams DMA