

Moving Toys

p20

CAM mechanisms

A practical Design & Technology activity in which the pupils learn about controlling movement with a cam mechanism as a simple toy.

Pupils investigate a collection of moving toys containing cam mechanisms that produce different movements. The children then construct their own moving toy/cam mechanism using various materials, which they keep. Our aim is to provide Year 5 & 6 pupils with an enjoyable and stimulating workshop.



**Years
5 & 6**

Children will:

- learn about different types of cam mechanisms and the movements they produce
- understand the characteristics of each component part and its use
- measure, mark out, cut, join, assemble and combine components accurately
- learn how to use tools safely and accurately.

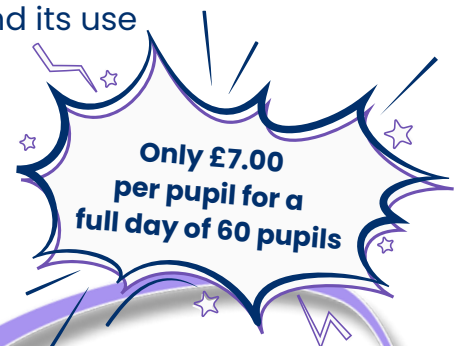
Children will then be encouraged to test the finished mechanism and to reflect on what they have made.

**This workshop works best in the hall
but can be adapted for a large classroom.**

D&T/Practical Skills/Science/Maths

To book a workshop go to:

https://share-eu1.hsforms.com/1HUqgEKvfQSG9sQWoA_LxJA2dbud8



National Curriculum links

Full Curriculum Links plus
Non-Statutory
Opportunities available at:
[Moving Toys National
Curriculum Links](#)



Cost: A whole day: 2 x 2 ¼ hours approx. sessions/workshops at £420 per day

Morning only: 1 x 2 ¼ hours approx. sessions/workshops at £290 per morning

All materials and equipment provided. Maximum class numbers per session = 30 pupils

Helpers: You will need to provide 5 adult helpers in addition to the class teacher for each session/workshop