

## Curriculum. Design & Technology

---

### Year 7 (80 min lesson)

#### Michaelmas Term

##### COMPUTER CONTROL

- Use CoCo models and write a programme to alter action
- Demonstrate inputs
- Design and make simple mechanism to use at least one input and two outputs FPT, DMA

#### Lent Term

##### SHEET MATERIALS

- Plywood, Acrylic, Sheet Metals
- Discuss properties, cutting, bending, joining, finishing inc. enamelling
- Design, model and make an item using one enamelled copper piece and one other material.
- Introduces Metalwork and material choice and processes FPT DMA

#### Summer Term

##### PLASTICS

- Vacuum Forming
- Consider types of plastic in common items and methods of manufacture
- Design and make
- Vacuum formed packaging for the part made in Lent term
- Introduces moulds, mass production and plastic types.
- CD Focus on Plastics IDE DMA