



## **KS3 Subject Content Information**

### **Department: Technology**

#### **Year 8 Summer Term (April-June)**

- Electronic theory
  - Components: Battery, Switch, Resistor, Light Emitting Diode
  - Physical appearance, function, circuit symbol
  - Current, voltage, resistance
  - Circuit design
- Electronic manufacture
  - Safety
  - Tools and equipment
  - Soldering
  - Testing
- Plastics manufacture
  - Line bending
  - Product assembly
  - Testing
  - Product evaluation
- Revision

#### **Year 9 Summer Term (April-June)**

- Electronics manufacture
  - Safety
  - Tools and equipment
  - Drilling and populating PCB (Printed Circuit Board)
  - Soldering
  - Product assembly
  - Testing
  - Product evaluation
- Plastics
  - Thermoplastics/Thermosetting plastics
  - Structure
  - Types/characteristics/uses
- Art Deco (Design movement)
  - History/characteristics
  - Formal drawing techniques
  - Draw a design of and Art Deco dressing table
- Revision

#### **Year 10 Summer Term (April-June)**

- Clock Frame manufacture
  - Producing a Half Lap joint.
  - Casing assembly
  - Applying a suitable finish
- Clock face design
  - Clock face manufacture
  - Measure, mark, drill acrylic
  - Product assembly
  - Testing
  - Product evaluation
- Revision

