

# KS3 D&T CURRICULUM MAP

change where necessary

production work can be improved

Assessment: exploded drawing - final design - mark scheme - rubric; End of Key stage 3 summative test

#### **Rotation 2: Design Communication**

apply sketching and drawing skills to communicate their design ideas

- Linow how to accurately lay out drawings of work in different styles evaluate the different stages of the design communication process
- Construct graphically complex curves
- Construct an exploded view showing connected centre lines and correct technical standards
  - ie dot dash for centre lines



Assessment: Mary Quant research; Textiles core - Google Forms assessment; Initial design ideas; Testing Soldering **EYE Assessment** 

**Rotation 2: Retro Lamp** 

understand the iterative design process, the need to reflect, evaluate and

## **Rotation 1: Mechanical Toy**

understand how and when to use

- mechanical advantage tools
- Create finishes using mechanical
- advantage tools
- make considered evaluations of own work in order to practice and improve

Assessment: Levers theory - Green pen exercise in class Exploded Drawing - final design - Mark scheme - rubric Levers and Cams assessment - Google Form - auto mark **Evaluation questions - Mark scheme - Rubric** End of Key stage 3 summative test

## **Rotation 1: Metal Bugs**

know how to cut straight lines with a rigid saw and file straight lines with flat files or half round as needed Diproduce oblique drawings to accurately communicate intention

Laknow how to make simple evaluations Iknow about the Arts and Crafts movement

EAR understand that design is ever evolving and be able to give clear examples make straightforward evaluations in response to their own work so that

### **Rotation 1: Metal Bugs**

This unit is in place for those groups which did not do it in Year 7 due to the rotation. This project introduces metals. Pupils design and make a metal bug using hand tools and pillar drill. Pupils are introduced to the design cycle and research Arts & Crafts movement, before producing oblique views of their designs.

Chow about the theory of metals, stoke forms and properties □ use technical drawing to communicate in 3D

- understand how to make judgements about their own productions Imake external curves, either cut with a hacksaw or using the nibbler and filed appropriately
- add internal curves, either cut with a hacksaw or using the nibbler and filed appropriately



Assessment: metals theory - self assessment; design work- initial and developed ideas - teacher assessed - rubric; final product teacher assessed rubric; end of unit test- theory and processes - peer marked and recorded on department mark-sheets



