

Technology – Key Stage 3

Year 8 – Working as a team – Pencil box

Unit Objective: To learn about some industrial processes and how to plan for manufacture when working as part of a team.

Learning Outcome: You will have worked as a team to manufacture a pencil box for each team member.

Assessment: For this task your teacher will be assessing your **planning, making** and **evaluating** skills.

Business and Enterprise focus:
See context below designing for a client.
Teamwork – working together to make a batch of pencil boxes.

Responsibility – Workshop safety and doing your part of the task.

Success – measured by the quantity and quality of your pencil boxes

Sustainability focus: The need for employment.

Wider curriculum: Community cohesion – local manufacturing opportunities.

Write-On Products make a range of high quality writing equipment including a hardwearing pen and pencil box.

As part of the production team you are going to make a batch of these pen/pencil boxes.

Write-On Products pride themselves on the quality of their products and expect you to work to the same high standards.

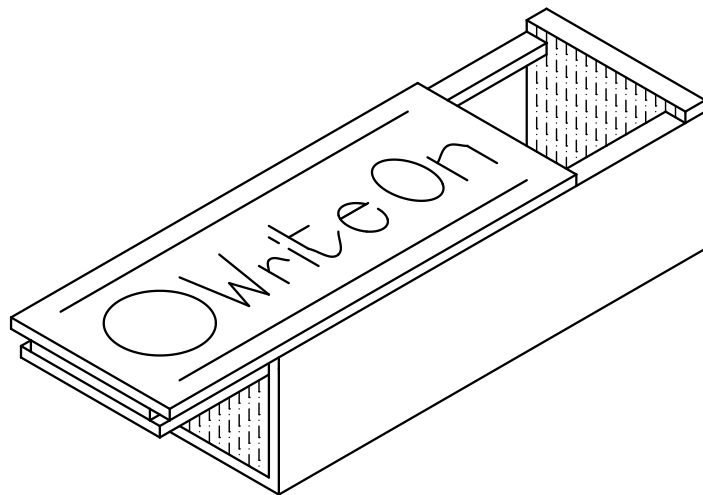


Planning Production

1. Planning the stages needed to make your batch of pen/pencil boxes.
2. Decide who will do what when manufacturing the pen/pencil boxes.
3. Work out how to use your time efficiently – remember some stages will take longer than others.
4. Think about the quality control checks you will need to make as your work progresses

Stages in manufacturing the pen/pencil box:

- Making the aluminium trays
- Designing and machining the lids
- Laminating the lids together
- Making the plywood end pieces
- Enamelling the copper discs
- Injection moulding the plastic catches
- Assembling the pencil box



Your Name:

Tutor group:

Other team members:

Date: