

Lesson Plan (for educators)

Joinery



Lesson plan - 60 minutes

AIM:

Developing your understanding of working drawings and the production of setting out rods.

ACTIVITY:

Produce a setting out rod accurately working to a planned time line.

Suitable for

Students undertaking: Bench Joinery; High performing Level 2, Level 3.

Resources needed

1. Video & LMS access (link)
2. Task brief
3. Marking criteria/scheme
4. Infrastructure list
5. H&S checklist
6. End of assessment quiz (after the module).

Skills

Self-management, informed, reflection, self-belief, drive, confident, proactive, geometry, efficient time management, accurate interpretation of information, precise measurement.

Learning outcomes

After completing this activity learners will be able to:

- think about how to plan for the task
- recognise the importance of the tools and equipment required to complete the task
- identify work efficiencies, sequence of planning and completing the task
- explore different problem-solving techniques for graphical detailing and essential tasks to stretch and challenge in this aspect
- learn how to utilise planned time and demonstrate skills gaps in completion of task. How to complete tasks within time accurately and to standard.

Delivery modes

1. Students can work through the online materials independently, but it is recommended work is completed with guidance/ tuition to ensure a valid activity; either at your facilities, if you have access to enough workshop space, or can go through the materials at home in their own time.
2. You can download and print all relevant resources, access the video demo and deliver the activity in the classroom.

Section	Timings	Key teaching points
Lesson Plan	5 minutes	Introduce the topic and its relevance to skills competitions and how it directly correlates to industry.
Video OR photo demonstration (ensure descriptors are provided for each photo)	10 minutes	Students thinking about how they can plan their work to make best possible use of resources and time; the equipment used and the techniques used in graphical detailing.
Task Brief (below)	10 minutes	Familiarise students with the key steps to complete the set task. Steps: <ul style="list-style-type: none"> • study example drawings, plans and project brief • example of completed task to standard • plan your sequence of operations for the task.
Infrastructure & H&S checklist	10 minutes	Prepare for the activity by ensuring all equipment is ready to use and that all H&S checks are in place. There is little/ no H&S risk for this task as it is a drawing task.
Task Completion	60 minutes	Get students to complete the task by following the instructions on the task brief.
Marking criteria	2 minutes	Provide a marking scheme for the learners and encourage learners to record their received marking on LMS. Please download the Marking Scheme Excel Spreadsheet provided. Do not forget to feedback to WorldSkills UK.