

Lesson Plan (for educators)

Bricklaying



Lesson plan - 75 minutes for each task, (3 tasks)

This can be split in to three separate activities if the tutor desires.

AIM:

Developing your jointing skills.

ACTIVITY:

Complete the jointing exercise for three common joint finishes.

(Note: - No drawing provided, it is anticipated that these tasks will be carried out on the learners' own work.)

Suitable for

All bricklaying students working at all levels, on any bricklaying qualification.

Rationale: All too often jointing is an area of weakness witnessed at regional and national competitions by many competitors.

Resources needed

1. Video & LMS access (link)
2. Task brief
3. Marking criteria/scheme
4. Infrastructure list
5. H&S checklist
6. Skill fact sheet (WSUK)
7. End of assessment quiz

Skills

Completion of these activities will help the individual develop their knowledge and hand skills in applying joint finishes. In addition to the advancement of fine motor skills, individuals will start to:

- interpret and process new information to develop understanding
- consider organisational skills as they plan jointing processes
- consider reflective practice through critical analysis of their work
- successful completion of the tasks should improve self-worth and confidence to practise as a bricklayer.

Learning outcomes

After completing this activity learners will be able to:

- demonstrate 3 common joint finishes
 - flush jointing
 - recessed jointing
 - ½ round jointing
- distinguish between good jointing techniques and poor techniques
- recognise the effects of material absorption and temperature
- interpret and process new information
- explore alternative methods to form joint finishes through reflective practice.

Delivery modes

1. Students can go through the online materials independently – either at your facilities, if you have access to enough computers, 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
Introduction	5 mins	<ul style="list-style-type: none"> jointing is a significant process in the construction of masonry structures permanently affects the visual appearance of the wall poor jointing can be detrimental to the effectiveness of the wall, affecting the structural strength and durability of the joints.
Video & photo descriptions		<ul style="list-style-type: none"> work your way through the demo photos and descriptions. Note: Educators may want to break this down into 3 sessions with a focus on each different method?
Task Brief (below)	5 mins per task – video for each 10 mins per task-photo descriptions for each	Step 2 - Work your way through demo photos and descriptions. (Ask your tutor questions if you are unsure). Step 3 – Think about the top tips, and how you can use them, when applying the joint finish.
Infrastructure & H&S checklist	10 mins (pre session)	Step 1 – Tutor Activity – Set up for the activity by ensuring all equipment is ready to use and that all H&S checks are in place.
Task completion	30 mins	Step 4 – Practice the hand skills that you have seen and attempt each task. Pay close attention to every detail, however small.
Marking criteria	10 mins	Step 5 – At the end of the task, self-assess your work. Be fair and honest. Continuously review your work as you go. Make notes and record what didn't go well for you and reflect how you could do it differently next time. Use the marking scheme document attached to this resource library to help you.
Review / Evaluation	15 mins	Step 6 - Listen to the feedback and advice from your tutor. Explore the areas you struggled with and focus on strategies to help you develop these skills. Step 7 - If you do not understand why something didn't work, ask your tutor for suggestions. Remember mistakes are great learning opportunities. <ul style="list-style-type: none"> do not forget to feedback to WorldSkills UK.

Marking

To mark this activity, please use the following criteria:

- 0: Poor – Commercially unacceptable, client would not be willing to pay for the quality of work, clear visual defects in work produced
- 1: Good - Commercially acceptable, client would be willing to pay for the quality of work, limited defects in work produced
- 2: Very Good - Commercially acceptable, with some elements of excellence in work produced
- 3: Excellent - Visually outstanding.

Please refer to the Judgement Marking Guide supplied.

Marking scheme

Excel Spreadsheet Supplied.