

Lesson Plan (for educators)

Stonemasonry



Lesson plan - 20 minutes

AIM:

Developing your ability to work reverse mouldings both on straight and curved work.

ACTIVITY:

Watch the demonstration video, observe the techniques used and then produce the practice piece to the best of your ability.

Suitable for

Students undertaking: Architectural Stonemasonry Level 2 or level 3.

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

Self-management, self-assessment, self-critique, self-belief, reflection, drive, working accurately, measurement, hand skills.

Learning outcomes

After completing this activity, learners will be able to:

- think about how to plan their processes to work reverses accurately. Plan ahead for each step
- recognise the importance of fillets, checks and areas the reverse sits on
- identify potential issues
- explore the best way to fit reverse mouldings
- learn the processes to work reverses and show accuracy.

Delivery modes

1. Students can go through the online materials independently – either at your facilities, if you have access to enough computers, or 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. Why is working to reverses so difficult? Why is it important?
Video OR photo demonstration (ensure descriptors are provided for each photo)	10 minutes	Get students thinking about the importance of accuracy and the importance of working fillets and checks in order to produce accurate mouldings.
Task Brief (below)	10 minutes	Familiarise students with the key steps to complete the set task. Steps: <ul style="list-style-type: none"> • watch video • give out practise drawing • be on hand to offer support • promote the need to work accurate control points, fillets and faces.
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.
Task Completion	Variable times dependant on student ability	Get students to complete the task by following the instructions on the task brief.
Marking criteria	2 minutes	Provide markings to the students and encourage learners to record their received marking on LMS. (Marking scheme link – Word doc) Do not forget to feedback to WorldSkills UK

Additional info:

Preparation

- make sure that you have printed all of the resources
- ensure you have access to the technology to play a video demo and access the LMS
- ensure students have access to the required drive to create folders and files.

Differentiation/meeting individual needs

You may need to support some learners who do not have access to the right technology or do not have internet access.