



TOOL MASTER



City & Guilds

ACTIVITY PACK

Lecturer: James Rix



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Intro.

This activity pack supports learners studying **Unit 005: Constructing Half Brick Walling**, specifically Assessment Criterion **1.3 – Identify the tools and equipment required to build half brick thick walls**. Learners will explore the seven essential items used in bricklaying, understand their purpose, and apply this knowledge through interactive tasks designed for Entry Level learners.

Aim:

To help learners confidently identify, name, and describe the tools and equipment required to build half brick thick walls, preparing them for practical bricklaying tasks and assessment.

Learning Objectives:

By the end of this activity, learners will be able to:

- Recognise and name all seven required tools and equipment.
- Describe the purpose of each item in simple, accurate terms.
- Distinguish between tools and equipment.
- Apply knowledge to practical scenarios.
- Demonstrate understanding through interactive and written tasks.

Activity Overview.

Learners complete two structured tasks:

Task 1: Card Matching Game (already created)

Learner's match tool names to descriptions, building foundational recognition.

Task 2: Tool Purpose Relay (new task) Learner's work in pairs or small groups to identify tools from clues, reinforcing understanding through movement, teamwork, and repetition.

Both tasks support the development of vocabulary, functional understanding, and confidence in identifying bricklaying tools.

Why this activity helps!

This activity:

- **Repetition builds retention:** Learners encounter the same seven items multiple times in different formats.
- **Hands-on engagement:** Matching, sorting, and movement-based tasks support kinaesthetic learners.
- **Clear, simple language:** Supports Entry Level learners and those with SEND needs.
- **Real-world relevance:** Tools and equipment are directly linked to practical bricklaying tasks.
- **Confidence building:** Learner's practise identifying tools before using them in a workshop environment.

Student Instructions.

1. Complete **Task 1: Card Matching Game** by pairing each tool/equipment name with its correct description.
2. Move on to **Task 2: Tool Purpose Relay** and work with your partner or group to identify tools from clues.
3. Write down the name of each tool and its purpose.
4. Check your answers with your lecturer and correct any mistakes.
5. Keep your completed sheets for revision and assessment preparation.

Lecturer Instructions.

1. Introduce the seven items from the qualification handbook: *Brick trowel, line & pins, brick hammer, level, tape measure, mortar board, profiles.*
2. Facilitate **Task 1** using your existing card set.
3. Set up **Task 2** by placing tool cards or printed images around the room.
4. Read out clues one at a time and allow learners to move to the correct tool.
5. Encourage learners to explain why they chose each tool.
6. Provide corrective feedback and model accurate terminology.
7. Use the tasks as evidence for formative assessment.
8. Finish with a short recap and ask learners to name all seven items without prompts.

Scaffolding Options.

- Provide a **word bank** containing all seven tool names.
- Use **visual aids** such as photos or icons.
- Allow learners to work in pairs for confidence.
- Provide sentence starters:
 - “This tool is used for...”
 - “You need this equipment when...”
- Offer simplified descriptions for lower-ability learners.

Differentiation Strategies

For SEND / Entry Level learners:

- Use colour-coded cards.
- Reduce the number of items per round.
- Provide tactile versions of tools where safe.

For higher-ability learners:

- Ask learners to explain what would happen if a tool was missing.
- Introduce additional bricklaying tools for comparison.
- Ask learners to sketch each tool and label key features.

Qualification Mapping Table.

Unit	Assessment Criterion	How This Activity Meets the Requirement
005 Constructing Half Brick Walling	1.3 Identify the tools and equipment required to build half brick thick walls	Learners identify all seven required items through matching, movement-based identification, written recording, and verbal explanation.
	1.1–1.4 (supporting knowledge)	Activities reinforce PPE awareness, materials, tools, and brick quantities through discussion and extension questions.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Image Card



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005: Constructing Half Brick Walling

Activity

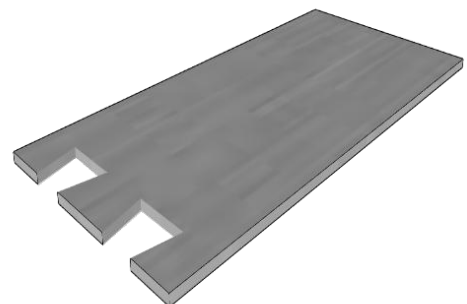
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Tool & Equipment Image Card



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Tool & Equipment Image Card



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Activity

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Tool & Equipment Name Card



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Tape Measure

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Brick Measure

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Spirit Level

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Boat Level

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Brick Trowel

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Tool & Equipment Name Card



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Bucket Trowel

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Activity

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Tool & Equipment Name Card



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Line & Pin

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Line Blocks

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Activity

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Lump Hammer

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Tool & Equipment Name Card



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Bolster Chisel

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Cold Chisel

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Brick Hammer

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Scutch Hammer

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Jointer

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Hawk

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Builders Square

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Tool & Equipment Name Card



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Brick Gauge

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Spade

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Brick Carrier

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Spot

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Activity

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Tool & Equipment Name Card



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Hand Brush

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Activity

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Soft Floor Brush

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Tool & Equipment Name Card



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Tingle Plate

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Tool & Equipment Name Card



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Wheelbarrow

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Tool & Equipment Name Card



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Common Brick

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Activity

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Tool & Equipment Name Card



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Engineering Brick

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Activity

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Tool & Equipment Name Card



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Facing Brick

005: Constructing Half Brick Walling

Activity

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Tool & Equipment Name Card



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Builders Sand

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Name Card



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Common Brick

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Activity

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Tool & Equipment Name Card



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Engineering Brick

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Name Card



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Facing Brick

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Name Card



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Builders Sand

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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sold in the UK often have dual scales for metric and imperial units.

Like the American version described above, they also have markings every 16 in (40.6 cm) and 19.2 in (48.8 cm).

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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A specialist tape measure designed to aid professional bricklayers in their work. The unique blade design accurately calculates brick and block quantities and course heights, plus there is a conventional metric scale, which is accurate to EC Class I, for general measuring.

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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This will be the most expensive part of the tool kit, thus keeping the bricklayers work level (horizontal) and plumb (vertical). These also come in various sizes. The main size for everyday work is nine hundred millimeters or twelve hundred millimeters.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



City
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Like the Spirit Level above, it has two bubbles, (one for levelling, the other for plumbing) but is smaller. It is very handy for decorative panels and soldier courses.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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These come various sizes and shape ranging between ten and fourteen inches.

One side of the trowel has a more rounded edge, this being for rough cutting, however, this use is not advised for the beginner. The measurements are the actual blade size, the width of trowel also varies and beginners will find a narrower trowel easier to use.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



City &
Guilds

James Rix

wide-bladed tool for scooping mortar from a *bucket*; it is also good for buttering bricks and smoothing mortar.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



City &
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James Rix

These are used when corners of the building have to be built to run in the bricks between. The pins are tapered at the ends to allow for inserting into joints. It is important that the line is kept free of knots and clean of mortar.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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These are used in pairs as an easy method of holding the line up. These are inexpensive as you can make your own.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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James Rix

Used with either a bolster or chisel.
It is essential that the head is secure and checked regularly to ensure it never comes loose.
Always wear eye protection goggles

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



City
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Used for cutting bricks. Eye protection must be used at all times it is used. The end should never be allowed to burr over. This is known as a mushroom and can splinter when being hit. The end should be kept free from mushrooms by a grinding wheel which also allows the culling edge to be kept sharp.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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also known as a Stonemasons Hammer, has one flat traditional face and a short or long chisel-shaped blade. It can thus be used to chip off edges or small pieces of stone, cut brick or a concrete masonry unit, without using a separate chisel.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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have either one or two grooves for holding a scutch comb or drove in exactly the same way as a scutch chisel.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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Used for putting a finish to the joints in brick work. A half-round joint which is also known as a bucket handle finish. Two types are shown, these can now be bought from shops, but an old pail or bucket handle can be bent to a suitable shape.

005: Constructing Half Brick Walling

Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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used when pointing a lot and makes it easier to hold the mortar.

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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This is used for setting out the work area and marking and checking right angles.

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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Inexpensive as you make it yourself. A length of timber with the vertical spacing of the bricks marked along one edge. Used when working from both ends of a wall to ensure that the courses are equal

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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a tool primarily for digging, comprising a blade – typically stunted and less curved than that of a shovel – and a long handle. Early spades were made of riven wood or of animal bones (often shoulder blades).

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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Supersedes the brick hod (original brick carrier). Used for carrying bricks around the work area.

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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A spot is a dedicated place for mortar to be temporary placed while the bricklayer lays the bricks and builds the wall.

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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very useful piece of kit for brushing up, cleaning down. Bricklayers will use this type of brush for cleaning down their walls.

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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used for cleaning down and brushing up.

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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Another less expansive tool but of great use. It is used for holding the line up over long lengths of walling to remove any sagging

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Activity

005.1.3: Tool Master

Tool & Equipment Description Card



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used to transport larger amounts of materials to the work area. Sometimes mortar is mixed in a wheelbarrow.



TOOL MASTER

Participant Info.

Team:

Individual:

Task 1: Record the Match-Up Activity.

Choose 5 of the tools and equipment and record your findings in the table below.

Tool/Equipment	Description

Task 2: Identify Tools & Equipment.

Choose 7 of the tools and equipment and record your findings in the table below.

Tool/Equipment	Description
	
	
	
	
	
	
	

Task 3: Quiz.

Complete the questions below.

Which tool spreads mortar?

- A. Brick trowel
- B. Brick hammer
- C. Tape measure

Which item holds the bricklaying line tight?

- A. Level
- B. Line & pins
- C. Profiles

Which tool checks if the wall is straight?

- A. Brick hammer
- B. Level
- C. Mortar board

Which item is used in pairs?

- A. Tape measure
- B. Profiles
- C. Brick trowel

Which tool is used to cut bricks?

- A. Level
- B. Brick hammer
- C. Mortar board

Thank You.

We would like to take this opportunity to thank you for using this learning resource, we hope you found it useful.

If you have any questions regarding this or any of our learning resources, please contact us on:



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James Rix



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