

The Edge Portable Power Tool Induction: Circular Saw

ACTIVITY 1: Key safety tips for safe working with portable power tools

Draw a line to match the safety tip with an explanation

Wear the correct PPE

(safety glasses, ear muffs, dust mask, footwear)

Shocks and shatters come from faulty equipment

Present yourself with safety in mind

(remove rings and jewellery, tie back loose clothes, long hair and beards)

It's there for your protection

Check the tool is in good condition

(reject frayed leads and damaged plugs, avoid blunt or broken tooling)

Slips, falls and distractions cause accidents

Prepare a tidy and safe work area

(remove loose material and debris, ensure stable footing)

Avoid tangle hazards

ACTIVITY 2: Key safety checks for using a circular saw

Draw a line to match the checkpoint with what to look for

During the job	<p>Check the safety guards are in place and functioning, and blade is undamaged</p> <p>Make sure any power leads do not make a trip hazard, and the workplace is clear.</p> <p>Make adjustments and check they are secure before cutting.</p>
Before connecting to power	<p>Check and avoid splits, knots and nails. Plan to avoid falling waste pieces.</p> <p>Clamp the job securely at a convenient height and support large pieces to avoid pinching.</p> <p>Do not cut more than one piece at a time.</p>
Completing the job	<p>Hold the saw firmly with both hands, and bring the blade to speed before contacting material.</p> <p>Apply a steady force while cutting. Avoid over-reaching.</p>
Starting the job	<p>Do not reach under the work or remove cut material while cutting.</p>
Prepare the material	<p>Release the switch and allow the blade to stop before removing.</p>

ACTIVITY 3: Identify the important components of a circular saw

Choose the correct name from the list to identify the key parts numbered in the picture.



- Cutting Depth Adjustment (must be firm)
- Lower Blade Guard (must move freely)
- Bevel Adjustment (must be firm)
- Power Trigger (on/off)
- Laser Guide Switch (engage before power trigger)
- Lower Guard Release (for plunge cuts)
- Surface Guide (should contact the job evenly)

Activity 4: Demonstrating safe use of a circular saw

- Ensure correct PPE is being worn, and the tool and workspace is safe to use.
- Set the cutting depth and guides if required.
- Prepare the workspace and clamp the material in place, supporting large pieces to avoid pinching.
- Measure and mark the location of the cuts: one complete, one at right angles and one at part depth.
- Use the saw to make a cut, allowing blade to stop before withdrawing.
- Re-clamp material for the next cut, and continue until finished.
- Tidy up

Facilitator Observation:

I confirm that the observations made of the participant and active participation in this induction workshop demonstrated a satisfactory understanding, including competent and safe use of a circular saw.

Signature: _____ Date _____

Participant Declaration

I declare the assessment above was my own individual work.

Signature: _____ Date _____