**The Edge Benchtop Power Tool Induction: Drop Saw**

ACTIVITY 1: Key safety tips for safe working with benchtop 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

(ensure safety guards are functional, 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 drop saw or compound saw.

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

During the job Check the safety guards are in place and functioning, and blade is undamaged

Make sure the workplace is clear and familiarise yourself with the on/off switch.

Completing the job Check and avoid splits, knots and nails. Plan to avoid falling waste pieces.

Clamp the job securely at a convenient height and ensure the scrap end of a clamped piece is free.

Clamp bowed material with the outside bowed face towards the fence.

Do not cut more than one piece at a time.

Starting the job Start the dust extractor before cutting (if fitted)

Bring the blade to speed before contacting material.

When using the right hand to bring the saw down, ensure the left hand is clear of the cut.

Prepare the material Do not reach under the work or remove cut material while cutting.

Before connecting to power Release the switch and allow the blade to stop before removing workpiece.

ACTIVITY 3: Identify the important components of a drop saw

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



1



------ Motor trigger (hold down 5s before cutting)

------ Fence (hold job firmly against this)

------ Danger zone (keep fingers clear)

------ Stage lock (release for mitre cuts)

------ Saw lock (release for bevel cuts)

------ Guard release (engage before starting motor)

------ Blade guard (must be down)

------ Clamp (used to hold job in place)

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Activity 4: Demonstrating safe use of a drop saw

* Ensure correct PPE is being worn, and the tool and workspace is safe to use.
* Set the cutting depth, stops and guides if required.
* Prepare the workspace and clamp the material in place, considering bowing if present.
* Measure and mark the location of the cuts: one complete and one at part depth.
* Use the saw to make a cut, allowing blade to stop before moving the job.
* 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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_