Unit 110: Decorative finishing and industrial painting occupations

# Worksheet 8: Hand and power tools (tutor)

1. Identify the following hand tools from their description and uses.
2. A stiff-bladed tool, the best quality have hardwood handles, they are used for removing wallpaper, loose and flaking paint nibs and other surface defects.

Stripping knife / scraper

1. These tools have thin flexible blades, the best quality blades can bend through 90 degrees and spring back into shape used for applying various filling materials

Filling knife

1. Similar to a paint brush with either pure bristle, or synthetic (manmade) filaments, an important piece of equipment to remove dust and general debris from a surface before painting.

Dusting brush

1. Not actually a hook, but a blade on a metal stem. They are used mostly used in the removal of paint coatings by heat or paint stripper. There are two main types, one for flat areas and mouldings, and another for flat surfaces.

Shave-hook

1. A handheld tool which holds tubes of decorator’s caulk, silicone and other flexible sealants, to fill cracks and gaps in skirting boards, architraves, coving and cornices.

Skeleton / caulking gun

1. These can be factory made or cut from a piece of wood. Used to assist the abrading of a surface. The use of items can help produce a flatter surface more quickly and with less effort.

Sanding block

1. Tick which two of the following is an advantage of a hot air heat gun:
2. It is less of a fire hazard
3. It is electric powered
4. It strips paint quickly
5. It is less likely to scorch the wood
6. Tick which two of the following is a disadvantage of a hot air heat gun:
7. It can be used anywhere
8. It needs an electric supply
9. It scorches the wood easily
10. It is slower than gas heat
11. Explain the difference between hand abrading and mechanical abrading.

Hand abrading is done using abrasive paper and/or sanding blocks, mechanical abrading is done using electronic or cordless machinery.

1. State two advantages of dust-free abrading.

Quicker, produces less dust, often achieves a better finish.

1. State the advantage of a cordless dust-free sander

It does not need a power supply so it can be used anywhere.

1. Name the items in the picture below and their uses.



Nail punch set, to tap protruding nail heads below the surface of the wood

1. List the common sizes of stripping and filling knives.

25mm; 38mm; 50mm; 75mm; 100mm broad knife.

1. Identify the two different types of shave hook below



Triangular shavehook Combination shavehook

1. What piece of decorator’s equipment is pictured below?



1. Battery-operated heat gun
2. Skeleton gun
3. Battery-operated caulk gun
4. Filler gun
5. Fill in the missing word.

A TRANSFORMER will be required to reduce the voltage from 240 volts to 110.

1. What is the common colour of 110v equipment?

Yellow

1. List three advantages of battery-operated power tools.

Portable

Do not need a power supply

Tasks can be quicker to complete

1. What is a disadvantage of a cordless power tool?

Battery can run out; more batteries are needed for constant use; not always as powerful as a corded tool.