

# REVISION CARDS - WOOD FINISHES - 2

## ABRASIVES, VARNISH, WOOD DYE AND STAIN

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On behalf of The World Association of Technology Teachers

# W.A.T.T.



World Association of Technology Teachers

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## SANDING / GLASS PAPERING NATURAL WOOD



Different grades of glass paper are used, to produce a blemish free and smooth finish.

Glass paper is often referred to as sand paper. There are other abrasive sheets including aluminium oxide, silicon carbide and garnet. Use a coarse abrasive, followed by medium and then fine, when preparing a surface

GRADE	GRIT SIZE	DENSITY
EXTRA COARSE	60 TO 40	S.2, 2, 3
MEDIUM COARSE	80 TO 100	
MEDIUM	120 TO 180	1, F.2, m.2
FINE	220 TO 280	2/0, 0, 1
VERY FINE	320 UPWARDS	FLOUR

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## VARNISH

Varnish is supplied as water based or oil based. Water based varnish is an environmentally friendly version of the oil based varnish.

Polyurethane Varnish and Yacht Varnish, give a quality, protective finish.

Varnish is UV resistant, protects the surface of the wood and helps prevent cracking and shrinking. It can be purchased as a matt, silk or gloss finish.

Varnish is applied by brush or spray gun



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## WOOD DYE AND STAIN

Varnish puts a layer on the surface of the wood. Dyes / stains, penetrate the surface fibres. Dyes/stains are water or solvent based. They need a further finish such as varnish (matt, silk, gloss) or wax, to protect the surface.

Dyes and stains are supplied in a range of vibrant colours or wood based tones. Most can be thinned and mixed, to achieve the required colour/shade.

They are applied with a paint brush, a soft cloth or even a paint pad.



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1. How is glass paper / abrasive paper classified? 4 marks

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2. How does varnish differ from wood dye? 4 marks

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