

PRIOR LEARNING

- SECTION 1: KEY IDEAS IN D&T
- TEXTILES JOINING
- TEXTILES SHAPING
- TEXTILE STANDARD COMPONENTS
- USE OF SEWING MACHINE

FUTURE LEARNING

- METAL PROCESSES
- METAL FINISHES
- PLASTIC PROCESSES
- PLASTIC FINISHES

DESIGN & TECHNOLOGY: YR10- WOODS WORKSHOPS

DESIGN

- CANDLE HOLDER
- LAMINATED SEATING
- STORAGE CADDY



MAKE

- JOINING TECHNIQUES- WOODS
- SHAPING TECHNIQUES- WOODS
- TURNING WOOD
- LAMINATING PLYWOOD



TECHNICAL KNOWLEDGE

- JOINING TECHNIQUES- WOOD
- SHAPING TECHNIQUES- WOOD
- WOOD FINISHES

EVALUATE

- REVIEW MAKING
- CHOOSE BEST JOINING METHOD
- CHOOSE BEST FINISH



EVIDENCE IN FOLDER



DIARY OF MAKING TO INCLUDE EVIDENCE OF:

- ☐ WOOD JOINTS
- ☐ ROUTER
- ☐ LAMINATION
- ☐ WOOD LATHE
- ☐ WOOD FINISHES

CROSS CURRICULAR LINKS:

- ACCURATE MEASURING
- CIRCLE DIAMETER/ RADIUS

TOOLS, EQUIPMENT & PROCESSES

- ☐ WOOD LATHE
- ☐ ROUTER
- ☐ TENON SAW
- ☐ COPING SAW
- ☐ SCROLL SAW
- ☐ MOULD/ FORMER
- ☐ PVA GLUE
- ☐ BAND FACER

CAREER LINKS, INDEPENDENT STUDY IDEAS

- TRY MORE COMPLEX WOOD JOINTS EG DOVETAIL
- TRY MORE TECHNIQUES ON THE WOOD LATHE
- TRY ALL WOOD FINISHES
- CARPENTRY
- FURNITURE DESIGN
- PRODUCT DESIGN

DESIGN & TECHNOLOGY: YR10 WOODS WORKSHOPS



KEY WORD	IMAGE	DEFINITION	KEY WORD	IMAGE	DEFINITION
FINGER JOINT		WOOD JOINT MADE UP OF AN ODD NUMBER OF FINGERS, GOES THE FULL LENGTH OF THE ITEM, LARGE SURFACE AREA FOR GLUING. GOOD FOR CORNERS.	WOOD LATHE		MACHINE USED TO TURN WOOD INTO CYLINDRICAL FORMS. CAN ADD DECORATIVE DESIGNS. CAN BE MANUAL OR CNC. MATERIAL IS HELD AND ROTATED, TOOL IS PRESSED INTO THE MATERIAL TO CUT AND SHAPE IT.
HOUSING JOINT		WOOD SLOTS INTO A GROOVE ON ANOTHER PIECE OF WOOD. GROOVE CAN BE MADE USING THE ROUTER. GOOD FOR SHELVES & HIDDEN JOINS.	WOOD FINISHES- PREPARATION		WOOD NEEDS TO BE PREPARED FIRST BY SANDING SMOOTH IN THE DIRECTION OF THE GRAIN. CAN APPLY A SEALER FIRST TO STOP VARNISH ETC CAUSING LOOSE WOOD. PRIMER CAN BE USED TO STOP VARNISH ETC BEING SOAKED IN.
DOWEL JOINT		DOWEL IS CYLINDRICAL WOOD. JOINT IS MADE BY DRILLING HOLES INTO EACH PIECE, DOWEL IS GLUED IN AND THE SURFACE IS ALSO GLUED. GOOD FOR CORNERS OR SHELF TYPE SECTIONS.	PAINT		APPLIED USING A BRUSH, COVERS THE GRAIN AND CHANGES THE COLOUR.
ROUTER		MACHINE USED TO MAKE GROOVES, LAPS OR DECORATIVE EDGES IN TIMBER USING A ROTATING CUTTING TOOL. CAN BE TABLE MOUNTED, HANDHELD OR CNC.	VARNISH		APPLIED USING A BRUSH, CAN SEE THE GRAIN, EITHER GLOSSY OR MATT FINISH. 2-3 LAYERS, LIGHTLY SAND IN BETWEEN COATS.
LAMINATION		PROCESS OF ADDING LAYERS TO MAKE TIMBER STRONGER AND MORE RIGID.	WAX		APPLIED USING WIRE WOOL, CAN SEE THE GRAIN, LIGHT SHEEN TO THE FINISH.
MOULD/ FORMER		SHAPE USED TO REPLICATE THE SAME SHAPE EVERY TIME EG WHEN LAMINATING CURVES, SHAPING HEATED PLASTICS, VACUUM FORMING ETC. MADE FROM A LOW COST MATERIAL.			
PVA GLUE		ADHESIVE USED TO JOIN WOODS TOGETHER. NOT WATERPROOF.			