Lamp Knowledge Organiser

manufacture a timber plane: Knowledge **Tier Three** Know how to Analyse and develop ideas from existing Vocabulary Try Square used to mark 90° designs Dowel Know how to write a specification Comb or finger joint, Know how to evaluate the work Laser ply, Skills Pencil Acrylic, Be able to select the correct tools Laser cutter, Steel rule and equipment sander. Be safe and accurate in the use of tools, machinery and equipment evaluate. Be able to spot hazards design, Tenon saw **IRWIN** Have an awareness of safety procedures Used to cut straight lines Comb/finger joint merman annotate Be able to use accurate measuring and marking skills CAD Sander : Evaluate and annotate their work used to remove small areas of timber and make the parts 2D design Develop and improve their work smooth Work effectively as an individual Ploughed groove 2D Design Name: Lamp Achievement Descriptors Good Can you match the 2D Design tools with the correct function? Lamp completed to a good standard 1mm gap between the joints Used to draw elipses. · All components made close to the correct size · 90-degree angle on all of the corners Pillar Drill : used to create accurate holes in Some saw and pencil marks evident · Paint and stain applied with a good level of accuracy Materials sed to draw freeform curves Laser ply used but not acrylic · Vectorised element on 2D design Better · Lamp completed to a good standard Used to draw arcs. 1mm or less gaps between the joints 2D Design Help Sheet · All components made close to the correct size · Use the function keys on the right of the screen for drawing shapes · 90-degree angle on all of the corners · Very few saw and pencil marks evident and lines · Paint and stain applied with a good level of accuracy Red is used for cut lines Used to odd text. Laser ply and acrylic used · Blue is used to engrave lines · Vectorised and hand drawn and scanned element on 2D design Vectorise Bitmaps : . Copy and paste a line drawing from google images The Best 2. Select bitmaps from the menu ABC Used to draw stroight lines. · Lamp completed to an excellent standard 3. Select vectorise bitmaps a No gaps between the joints 4. Select monochrome and blue · All components made to the correct size 5. Click on your image 90-degree angle on all of the corners Contour Image No saw and pencil marks evident Wsed to draw rectangles. 1. Select contour from the side menu Paint and stain applied with an excellent level of accuracy 2. Change the size to 0.00 · Laser ply and acrylic used 3. Change the line colour to red Vectorised and hand drawn and scanned element on 2D design 4. Click on the outside of your image

Tools and Equipment

Her are the tools and equipment used to