

Product Design KS3 Assessment Framework

	Beginning Grade 1	Working Towards Grade 2-3	Expected Grade 4-5	Exceeding Grade 6-7	Excelling Grade 8-9
Shadow Box	<p>I can:</p> <p>Very little investigation of the project with basic explanation and no client chosen.</p> <p>Some designs shown, but not completed.</p> <p>No paper model of the layers.</p> <p>Unfortunately the PCB circuit is unfinished or isn't working.</p> <p>Practical work is not quite finished.</p>	<p>I can:</p> <p>Some investigation of the project.</p> <p>A small number of simple or unoriginal designs. With no colour or annotation.</p> <p>Use of some graphical techniques.</p> <p>Paper models showing some of the layers, but not all.</p> <p>Mostly working LDR & LEDs in the PCB. Possibly a few errors in the soldering or polarity of the components.</p> <p>Overall accuracy and level of finish shows imperfections.</p>	<p>I can:</p> <p>Good quality investigation of the project with a genuine client chosen.</p> <p>Four Creative ideas showing a good understanding of materials and how the layers will operate in the light.</p> <p>Clear and confident use of graphical techniques, however more could be shown.</p> <p>Paper models showing the correct layers within the Shadow box. All in proportion.</p> <p>A working LDR & LEDs in the PCB circuit.</p> <p>Overall accuracy and quality is good but could be improved in some areas.</p>	<p>I can:</p> <p>Very good investigation into the project with an understanding of the client and their needs.</p> <p>Creative ideas show a very good understanding of the materials and limitations of laser plywood.</p> <p>Good use of technical techniques - including thick and thin lines.</p> <p>Detailed models showing the correct layers within the shadow box. In proportion and well cut out.</p> <p>A working LDR & LED PCB. With an added switch to turn it on and off.</p> <p>Overall accuracy is very good, with only a minor imperfection.</p>	<p>I can:</p> <p>Detailed investigation of the project showing a clear understanding of the client and why they require a light.</p> <p>Original and creative Ideas show a very in-depth understanding of materials.</p> <p>Sophisticated use of graphical techniques with exemplarily presentation skills shown.</p> <p>Detailed models showing the correct layers within the shadow box. In proportion, well cut out and showing intricate details of the design.</p> <p>A working LDR & LED PCB. With an added switch to turn it on and off.</p> <p>Exemplary soldering, with no errors and near machine standard on the soldered contacts.</p> <p>All components have been cut, finished and assembled to a very high standard.</p>