

YEAR 7 DESIGN - STUDENT PRACTICAL SKILLS ASSESSMENT

Working Towards	Expected	Above Expected	Outstanding
<p>Can use tools with some support following practice to safely produce a largely complete or basic product of adequate quality.</p>	<p>Can use hand tools with some accuracy following practice to safely produce a completed product of reasonable quality.</p>	<p>Can use hand tools with a good level of accuracy following practice to safely produce a completed product of good quality.</p>	<p>Can use hand tools with precision following practice to safely produce a completed product of excellent quality.</p>
<p>Uses cutting (scroll/gents/coping saws) and finishing tools (files and sandpaper) safely.</p> <p>With support can cut a basic design out and smooth rough edges.</p> <p>Can correct and learn from mistakes, improving as time goes on</p>	<p>Uses cutting (scroll/gents/coping saws) and finishing tools (files and sandpaper) safely and accurately most of the time.</p> <p>Can correct and learn from mistakes, improving as time goes on</p>	<p>Uses cutting (scroll/gents/coping saws) and finishing tools (files and sandpaper) safely and accurately.</p> <p>Can correct and learn from mistakes, improving as time goes on</p>	<p>Uses cutting (scroll/gents/coping saws) and finishing tools (files and sandpaper) safely and accurately and skillfully to cuts and finish more complex shapes.</p> <p>Can independently correct and learn from mistakes, improving as time goes on</p>
<p>Can use the line bender to shape acrylic with some accuracy after a few attempts.</p> <p>The bends in the acrylic are mostly even, there may be some bubbling on the first few bends.</p>	<p>Can use the line bender to shape acrylic with some accuracy.</p> <p>The bends in the acrylic are mostly even, there may be some bubbling on the first few bends.</p>	<p>Can use the line bender to shape acrylic accurately following practice.</p> <p>Bends are neat and even with little bubbling of the acrylic.</p>	<p>Can use the line bender to shape acrylic to complex designs accurately following practice.</p> <p>Bends are neat and even with little bubbling of the acrylic.</p> <p>More creative shapes may have been formed using the heat press.</p>
<p>With support can follow a plan for manufacture, may need chivvying along to maintain pace in practical lessons.</p>	<p>Can follow their plan, and with some support adapt it to be able to make full use of the lesson time.</p>	<p>Can follow their plan independently, making changes depending on how busy equipment is.</p> <p>Makes effective use of the lesson time to make progress with practical or written work.</p>	<p>Can follow their plan independently, making changes depending on how busy equipment is.</p> <p>Makes effective use of the lesson time to make progress with practical or written work.</p> <p>Can support others in their planning, helping them stay on task and organised.</p>
<p>Countersunk holes may be slightly different to one another</p> <p>Screws are screwed in perpendicular to the pine but might be a bit wonky.</p> <p>They may have been over tightened and split the acrylic or the pine.</p> <p>The acrylic might not fit the pine correctly due to wonky or inaccurate bends.</p> <p>The product holds some of the intended items securely.</p>	<p>Most holes are countersunk accurately, all the same size and depth.</p> <p>Screws are screwed in perpendicular to the pine with very little cracking in the wood.</p> <p>The simple acrylic design fits the pine well with a good level of accuracy in most bends.</p> <p>The product holds the intended items securely.</p>	<p>All holes are countersunk accurately, all the same size and depth.</p> <p>Screws are screwed in perpendicular to the pine with no cracking in the wood.</p> <p>The acrylic fits the pine well with a good level of accuracy and precision throughout the manufacturing process.</p> <p>The product holds the intended items securely.</p>	<p>All holes are countersunk accurately, all the same size and depth.</p> <p>Screws are screwed in perpendicular to the pine with no cracking in the wood.</p> <p>The complex acrylic design perfectly fits the pine due to accuracy and precision throughout the manufacturing process.</p> <p>The product holds the intended items securely.</p>

YEAR 7 DESIGN - STUDENT DESIGN SKILLS ASSESSMENT

Working towards	Expected	Above expected	Outstanding
Can understand the concept of a design brief and is able to suggest some basic ideas that loosely link to the brief.	Can understand the concept of a design context and design brief and is able to suggest ideas that link to the brief based upon this.	Can understand the concept of a design context and design brief and is able to suggest a good range of ideas linking to the brief based upon this.	Can understand the concept of a design context and design brief and is able to suggest a wide range of ideas linking to the brief and intended user based upon this.
With support is able to write a simple specification for a product breaking it down into specific areas	Is able to write a simple specification for a product breaking it down into specific areas	Is able to write a specification for a product breaking it down into specific areas with some justification	Is able to write a detailed and measurable specification for a product independently breaking it down into specific areas with justifications.
Can sketch 2-3 simple ideas with little creativity and some repetition. Not all ideas link to the design brief.	Can sketch 3-4 ideas with some creativity to design a solution clearly linked to the design brief.	Can sketch 3-4 simple ideas with a good level of creativity to design a solution clearly linked to the design brief.	Can sketch 3-4 ideas linked to the brief with a very good level of creativity and some innovation.
Design sketches are basic with simple communication.	Design sketches are simply communicated.	Design sketches are clearly communicated and well explained.	Design sketches are clearly communicated and thoroughly explained.
Design thinking is explained with brief notes and few opinions.	Design thinking is explained with brief explanations and some opinions.	There are good annotations with opinions and evaluations. They may have sought the opinions of others.	There are very good annotations with opinions and evaluations. The opinions of others have been sought and have influenced the designs.
Can model some design sketches effectively using the model to help solve simple design problems	Can model design sketches effectively using the model to help solve design problems	Can model design sketches effectively using the model to help solve design problems with some iteration.	Is able to use card models of sketches as part of an iterative process to refine and develop a design.
Can use 2D Cad with some support to draw simple shapes for laser cutting	Can use 2D CAD to draw their design for laser cutting.	Can use 2D CAD independently after a demonstration to sketch their design, refining if needed.	Can use 2D CAD independently after a demonstration to sketch their design, refining and improving.