### Design Folio

Students are required to complete the planning stages for the construction of the proposed decorative box. Students will be required to have completed the following parts of their folio:

- Statement of intent
- Relevant research
- Possible solutions and early design sketches
- Materials cutting list
- Any appropriate testing or prototyping
- Initial Sketch up plans of the project

The task is to be completed in class time and in the student’s own time.

### OUTCOMES TO BE ASSESSED:

- **P3.1** Sketches, produces and interprets drawings in the production of projects.
- **P3.2** Applies research and problem-solving skills.
- **P3.3** Demonstrates appropriate design principals in the production of projects.
- **P4.2** Demonstrates competency in using relevant equipment, machinery and processes.
- **P4.3** Identifies and explains the properties and characteristics of materials/components through the production of products.
- **P5.1** Uses communication and information processing skills.
- **P5.2** Uses appropriate documentation techniques related to the management of projects.
- **P6.1** Identifies the characteristics of quality manufactured products.
- **P6.2** Identifies and explains the principles of quality and quality control.
**MARKING GUIDELINES/CRITERIA:**

**PLAGIARISM** will result in zero marks being awarded and the student will be required to redo the task.

I acknowledge that this assessment is all my own work. Any references have been cited.

Student signature: ____________________________________________

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<thead>
<tr>
<th></th>
<th>20-17</th>
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</thead>
<tbody>
<tr>
<td><strong>Statement of Intent</strong></td>
<td>Clarifies the intent of the major project by explaining clearly what is to be achieved and why</td>
<td>Clarifies the intent of the major project by explaining what is to be achieved and why</td>
<td>Describes what the intent of the major project is and why</td>
<td>Provides an outline of what is to be achieved</td>
<td>Identifies what is to be achieved</td>
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<tr>
<td><strong>Research, selection and justification of components, processes, Technologies and resources</strong></td>
<td>Conducts and explains a wide range of relevant research, justifying the selection of appropriate materials, processes, technologies and resources</td>
<td>Conducts and describes a range of relevant research and describes the selection of appropriate materials, processes, Technologies and resources</td>
<td>Conducts and outlines research, identifying some appropriate materials, processes, Technologies and resources</td>
<td>Minimal reference to research conducted, with some appropriate materials, processes and resources listed and little reference to consideration of Technologies</td>
<td>Appropriate research not evident, with minimal reference to materials, processes, Technologies and resources</td>
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<tr>
<td><strong>Development of ideas</strong></td>
<td>Demonstrates very high level skills in sketching and idea generation, prototyping, modeling and testing, and in developing production and in working drawings (as appropriate)</td>
<td>Demonstrates substantial skills in sketching and idea generation, prototyping, modeling and testing, and in developing production and in working drawings (as appropriate)</td>
<td>Demonstrates moderate skills in sketching and idea generation, prototyping, modeling and testing, and in developing production and in working drawings (as appropriate)</td>
<td>Demonstrates basic level of skills in sketching and idea generation, prototyping, modeling and testing, and in developing production and in working drawings (as appropriate)</td>
<td>Sketching, idea generation, prototyping, modeling and testing, production and working drawings either not present or elementary form (as appropriate)</td>
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<tr>
<td><strong>Evidence of a range of skills</strong></td>
<td>A highly demanding project, with evidence of high quality in the application of a wide range of skills and techniques in the planning and production of the major project</td>
<td>A project of substantial difficulty, with evidence of high quality in the application of a wide range of skills and techniques in the planning and production of the major project</td>
<td>A project of moderate difficulty, with evidence of high but inconsistent quality in the application of a wide range of skills and techniques in the planning and production of the major project</td>
<td>A project of minimal difficulty, with evidence of basic quality in the application of a wide range of skills and techniques in the planning and production of the major project</td>
<td>A project of limited difficulty, with little or no evidence of quality in the application of skills and techniques in the planning and production of the major project</td>
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