Course Description

In Year 7, Design & Technology focuses on developing skills and knowledge in a range of technologies, such as wood, acrylic and metal. Problem solving and producing products using a range of skills allows students to engage in projects in a dynamic and individual way.

Outcomes

Technology Process
Students apply a technology process to create or modify products to meet human needs and requirements.

- Investigating - Students investigate issues, needs and opportunities.
- Designing - Students devise and generate ideas and prepare production proposals.
- Producing - Students produce solutions and manage production processes
- Evaluating - Students evaluate intentions, plans and actions

Materials
Students select and use materials that are appropriate to achieving solutions to technological challenges’

- Nature - Students understand that the properties of materials are considered when making selections to meet design, production and service requirements.
- Techniques - Students select and safely use equipment and techniques appropriate to both material and design requirements to achieve specified standards of accuracy and presentation.

Course Outline

<table>
<thead>
<tr>
<th>Week</th>
<th>Content</th>
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</thead>
</table>
| 1    | Introduction, Rules, Safety  
- Class / workshop rules  
- Discuss overarching school policies and procedures on OHS and use of tools and workshops.  
- Safety, Rules and Procedures in detail. |
| 2    | Safety (Task 1)  
- Safety in the workshop  
- Duty of care  
- Workshop procedures |
| Week 3-5 | Wood Projects |
- Marking and cutting procedures
- Hand tool skills and practise

### Task 2, 3, 4, 5 – investigation, devising, production and evaluation
- Investigation techniques and of materials
- Designing skills and techniques, Devising solutions
- Product Procedures and work flow analysis
- Production skills
- Evaluation skills.

### Safety revision
- Revision of safety protocols and procedures

### Metal/acrylic Project
- Manipulation of metals and acrylic
- Tool and techniques
- Material specific safety

### Task 6, 7 – Production and evaluation of combined material project
- Produce product to own specifications using learnt techniques and skills
- Evaluation of materials and processes

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**Assessment Outline**

<table>
<thead>
<tr>
<th>Type of assessment</th>
<th>Due Date</th>
<th>Outcomes</th>
<th>Max Score</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety, Rules and Procedures</td>
<td>Week 2</td>
<td>Technology Process</td>
<td>35</td>
<td>10%</td>
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<tr>
<td>Investigation</td>
<td>Week 6</td>
<td>Technology Process</td>
<td>10</td>
<td>10%</td>
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<tr>
<td></td>
<td></td>
<td>Materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Devising</td>
<td>Week 7</td>
<td>Technology Process</td>
<td>10</td>
<td>10%</td>
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<td></td>
<td></td>
<td>Materials</td>
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<td></td>
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<tr>
<td>Producing</td>
<td>Week 10, 19</td>
<td>Technology Process</td>
<td>30, 35</td>
<td>60%</td>
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<tr>
<td></td>
<td></td>
<td>Materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaluating</td>
<td>Week 10, 19</td>
<td>Technology Process</td>
<td>10, 10</td>
<td>10%</td>
</tr>
</tbody>
</table>

**Total**

100%

The above weightings are intended to show the importance of each task. The allocation of a grade at the end of a semester is determined based on grade related descriptors issued by School Curriculum and Standards Authority.