



**Newton Moore Senior High School  
Technology & Enterprise  
Year 8 Design and Technology  
Semester 1 or 2  
2016**



**Course Description:**

In Year 8, 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.

**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**

Week	Content
1	<b>Introduction, Rules, Safety</b> <ul style="list-style-type: none"> <li>• Class / workshop rules</li> <li>• Discuss overarching school policies and procedures on OHS and use of tools and workshops.</li> <li>• Safety, Rules and Procedures in detail.</li> </ul>
2	<b>Safety (Task 1)</b> <ul style="list-style-type: none"> <li>• Safety in the workshop</li> <li>• Duty of care</li> <li>• Workshop procedures</li> </ul>

3-5	<b>Wood Projects</b> <ul style="list-style-type: none"> <li>• Marking and cutting procedures</li> <li>• Hand tool skills and practise</li> </ul>
6-10	<b>Task 2, 3, 4, 5 – investigation, devising, production and evaluation</b> <ul style="list-style-type: none"> <li>• Investigation techniques and of materials</li> <li>• Designing skills and techniques, Devising solutions</li> <li>• Product Procedures and work flow analysis</li> <li>• Production skills</li> <li>• Evaluation skills.</li> </ul>
11	<b>Safety revision</b> <ul style="list-style-type: none"> <li>• Revision of safety protocols and procedures</li> </ul>
12-14	<b>Metal/acrylic Project</b> <ul style="list-style-type: none"> <li>• Manipulation of metals and acrylic</li> <li>• Tool and techniques</li> <li>• Material specific safety</li> </ul>
15-20	<b>Task 6,7 – Production and evaluation of combined material project</b> <ul style="list-style-type: none"> <li>• Produce product to own specifications using learnt techniques and skills</li> <li>• Evaluation of materials and processes</li> </ul>

This course outline may be subject to change, any changes will be communicated to students.

## Assessment Outline

Type of assessment	Due Date	Outcomes	Max Score	Weighting
Safety, Rules and Procedures	Week 2	Technology Process	35	10%
Investigation	Week 6	Technology Process Materials	10	10%
Devising	Week 7	Technology Process Materials	10	10%
Producing	Week 10, 19	Technology Process Materials	30, 35	60%
Evaluating	Week 10, 19	Technology Process	10, 10	10%
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.