



Newton Moore Senior High School  
Technology and Enterprise  
Year 9 Design and Technology  
Semester 1 or 2  
2016



## Course Description:

In Year 9, learning in Design & Technology focuses on further development of 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 machinery.</li><li>• Safety, Rules and Procedures in detail.</li></ul>
2	<b>Safety (Task 1) and Project 1</b> <ul style="list-style-type: none"><li>• Safety in the workshop</li><li>• Marking procedures</li></ul>
3-4	<b>Project 1 (continued)</b> <ul style="list-style-type: none"><li>• Marking procedures</li><li>• Hand tool skills and practise</li></ul>
5-6	<ul style="list-style-type: none"><li>• <b>Project 1 (continued) Task 2 - Evaluation</b></li><li>• Basic static machine use i.e. cutting, sanding.</li></ul>

	<ul style="list-style-type: none"> <li>• Carcase construction processes</li> <li>• Product Procedures</li> <li>• Evaluation skills.</li> </ul>
7	<b>Project 2 -Task 3 - Investigation</b> <ul style="list-style-type: none"> <li>• Investigating design requirements</li> <li>• Research skills</li> </ul>
8-9	<b>Project 2 (continued) – Task 4 - Devising</b> <ul style="list-style-type: none"> <li>• Devising solutions</li> <li>• Design skills</li> </ul>
10-14	<b>Project 2 (continued) – Task 5 &amp; 6 – Production and evaluation</b> <ul style="list-style-type: none"> <li>• Template making</li> <li>• Project parts and carcase manufacture</li> <li>• Production planning and evaluation.</li> </ul>
15-17	<b>Project 3 Task 7 - Production</b> <ul style="list-style-type: none"> <li>• Lathe safety and use</li> <li>• Devising of pedestal designs</li> <li>• Base manufacture</li> <li>• Pedestal production and evaluation.</li> </ul>
18-20	<b>Project 4</b> <ul style="list-style-type: none"> <li>• Skills and knowledge of processes and techniques skills project</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 4	Technology Process Materials	35	10%
Investigation	Week 8	Technology Process Materials	40	10%
Devising	Week 10	Technology Process	10	10%
Producing	Week 15 and 19	Technology Process Materials	30,30	60%
Evaluating	Week 7 and 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.