**Subject**  
Year 8 Design and Technology – Single Semester (1 or 2)

**Teacher(s)**  
Dave Jennings, Alan Coghlan,

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**Course Content**

Emphasis is placed on student safety and confidence, where they are encouraged to investigate new materials and production techniques. Increasingly projects and processes allow students to engage with new and challenging activities that allow them to increase their skills, understanding and confidence in designing and delivering solutions.

**Course Content**

Students will complete projects working with a range of materials including timber, metal and plastics. Very clear instructions will be given around processes and safety, but students are increasingly free to make design changes to the projects and find their own, best solutions to problems. In order to achieve this, the emphasis on planning will increase as students work individually and collaboratively to explore the materials, processes, tools and machinery.

Students are given specific instructions in the function of a range of hand and power tools. Literacy skills are enhanced and improved by the application of specific vocabulary and terminology around the physical and conceptual processes associated with research, analysis, design, planning, fabrication, workplace safety and evaluation. Numeracy skills are enhanced and improved by the application of mathematical processes and concepts to measurement, scaling, geometry and cutting list calculations.

**Assessment Tasks:**

Assessment will include:

- Practical tasks
- Design and Planning tasks
- Safety and processes
- Workshop journal
- Theory and research
- Product Evaluation