TECHNOLOGIES: METALWORK

ELECTIVE SUBJECT: Across four semesters

WHY STUDY DESIGN?

Technologies enrich and impact on the lives of people and societies globally. Technologies, in their development and use, are influenced by – and can play an important role in transforming, restoring and sustaining – our societies and our natural, managed, constructed and digital environments. The Technologies learning area draws together the distinct but related subjects of Design and Technologies and Digital Technologies. The Australian Curriculum: Technologies will ensure that all students benefit from learning about and working with traditional, contemporary and emerging technologies that shape the world in which we live.

COURSE AIMS:

Technologies aims to develop the knowledge, understanding and skills to ensure that, individual and collaboratively, students:

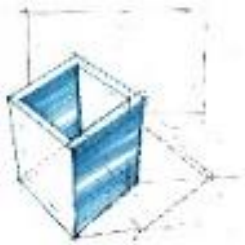
- are creative, innovative and enterprising when using traditional, contemporary and emerging technologies, and understand how technologies have developed over time
- effectively and responsibly select and manipulate appropriate technologies, resources, materials, data, systems, tools, and equipment when designing and creating products, services, environments and digital solutions
- critique and evaluate technologies processes to identify and create solutions to a range of problems or opportunities
- investigate, design, plan, manage, create, produce and evaluate technologies solutions
- engage confidently with technologies and make informed, ethical and sustainable decisions about technologies for preferred futures including personal health and wellbeing, recreation, everyday life, the world of work and enterprise, and the environment.

COURSE ORGANIZATION:

The study of Technologies in Metal can be studied across 4 semesters with the level of design and project detail increasing each semester. The first unit that is undertaken, will focus on basic concepts of design and hand skills. This will be taught wether the students are in Year 9 or 10. The students will be expected to work at a higher level with design and skills in the second unit.

Semester 1 TM581 - Foundation

Through the use of books, videos and the web the students will look at the different stages of design. They will be taught about workshop graphics and how to sketch to proportion. Correct and safe use of tools, woodworking terms and safety in the workshop will also be taught. Students will construct one major project over the semester.

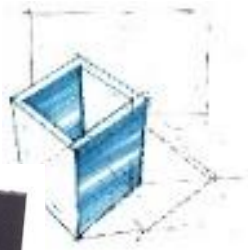


Assessment

There will be a theory test on tool names, uses and metalworking terms. A practical test at the end of the semester will be used to assess skills as well as the finished project.

Semester 2 TM582 – Foundation 2

Through the use of books, videos and the web the students will look at the different stages of design. They will be taught about workshop graphics and how to sketch to proportion. Correct and safe use of tools, woodworking terms and safety in the workshop will also be taught. Students will construct one major project over the semester which will require different skills to Semester 1.



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