

Industry and Enterprise



**MAZENOD
COLLEGE**



Overview

To help make transition through school and into further education and training Mazenod College has designed an Industry and Enterprise course.

With the changing curriculum expectations and the needs that have arisen from the changing employment market, a stand alone program has been developed for a select group of Year 10 students.

The Industry and Enterprise course is designed to assist students who have been identified as having difficulties in the core subject areas.

The program consists of 16-18 students who have been recognized as having good hands skills and are most likely to enter a trade or apprenticeship.

A modified curriculum that has greater relevance and practical application has been developed for this core group.



Design & Technology

In Design & Technology we cover option subject's Woodwork and Metalwork, which are both major subjects, i.e. 6 periods each per cycle.

In Woodwork, students build various projects including a chopping board with through inlays, side tables with a top custom designed by the students, a mirror that is designed and manufactured by the students and finally some wood turning on the lathe, where the students will produce a bowl.

In Metalwork, the students produce various projects including fabrication skills of sheet metal, welding and machining and turning. These projects include a sheet metal toolbox, a folding shovel and garden art which is custom designed to the student's interests and uses recycled materials.



English

The Industry and Enterprise English subject combines the key components of the Year 10 Standard English course with a workplace communication component. The course aims to prepare students to successfully communicate in their TAFE and workplace environments, as well as prepare them for success in General English courses in Year 11 and 12. The workplace communication component involves developing interview skills, letter writing and confidently communicating in workplace situations.

This course is delivered and marked on a modified scale. This means that students receive a mark and result for their achievement in the course, however, they are also awarded an Australian Curriculum Grade. This means that it is highly unlikely that students enrolled in the course will attain an Australian Curriculum 'C' Grade at the end of Year 10. In Year 11 however, students will have full access to the range of grades.



Mathematics

Mathematics plays an important role in the everyday life of every tradesperson. Students are encouraged to complete the highest standard of Mathematics based on Year 9 results, to be competitive regarding TAFE and external training providers.

Building & Construction

In the Building and Construction course, practical learning plays a key role. In this course students will be given the opportunity to focus on the development of skills, practices and knowledge in relation to trades within the Construction Industry. Students will at times work individually and also in a team situation to design and construct projects.

Science

Through the completion of the I&E Science Course, the core principles of science are studied. The key topics include electricity, motors and pumps, motion, and astronomy/cosmology.

Students will complete these topics along with a variety of practical and theoretical activities. These include designing and building solar phone chargers, build DC electric motors,



design and build their own CO₂ cars, and using telescopes. Students will be assessed with a range of tests and assignments, whilst learning a range of useful skills which can be transferred into industry.

Work Experience

As part of the I&E program, students engage in workplace learning. Each term students participate in work experience giving students an opportunity to try different trades. Work experience assists students with their potential career pathway with time in the actual discipline or trade.

Through this program, students gather first hand knowledge about different trades and the activities that are undertaken. It also provides them with a good understanding of their suitability for the trade. Students are required to keep a logbook and evidence of the tasks they have completed. This will assist TAFE applications in the future.

Reward Afternoons

At the conclusion of each term, a rewards afternoon is offered to those students in the I&E program who have displayed a positive attitude, good behaviour, solid work ethic and are achieving results commensurate with their ability.



Reward afternoons include activities that will enhance their practical skills and knowledge and incorporate life skills. These activities could include mechanical afternoons and life skills, and visits to local businesses like New Leaf Gallery where students will learn about the furniture making industry in detail.

Qualifications

Students will complete a variety of courses throughout the Industry & Enterprise program. These courses will improve their employability and competitiveness for post-school options.

Courses include

- Creating a USI Number
- White Card Construction Course
- Fire Extinguisher Course
- Senior First Aid Course
- Try a trade bricklaying course



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