



Subject Assessment Schedule 2009

Year 10 Pre-Construction

Pre-Construction is allocated 3 x 70 minute lessons per week for one (1) semester. This is an introduction to the construction industry. Work in this subject can contribute to the competencies for Certificate 1 in General Construction.

Key elements include:

Introduction to the building and construction industry
 Drawing interpretation and site set out
 Selection and application of hand and power tools
 Selection of construction materials and application of these
 Fabrication of basic indoor construction-based projects

Safety information

Safety in this subject is a non-negotiable. Students will be expected to participate with tools and processes that are considered to be of medium level risk (Level 2). The students should at all times display a safety-conscious working attitude. In addition:

- The students should have the motor skills and physical stature required to operate the machinery.
- The rules for using the machine should meet the special needs of individuals (e.g. direct supervision).
- Machines should only be used under teacher supervision.
- The location should be appropriate for the activity and be considered in respect to the type of machine being used (e.g. space needed to manipulate any materials being worked in the plant, without impeding or obstructing thoroughfares traffic ways).

Week beginning	Unit Of Work		Notes
	Safety in the Construction Industry	Observation	On-going progressive assessment
17-Aug-09	Oil Stone Holder	Practical	
14-Sep-09	Saw stool (half scale)	Practical	
14-Sep-09	Industry Awareness (Construction)	Assignment	
09-Nov-09	Drawing Interpretation	Formal Exam	
09-Nov-09	Ply Carry-all	Practical	
09-Nov-09	Machinery Induction Program (10)	Informal Exam / On-line tutorial	

Year 10 Pre-Engineering

Pre-Engineering is allocated 3 x 70 minute lessons per week for one (1) semester. This is an introduction to the different parts of the engineering industry.

This course provides opportunity for students to explore basic welding (resistance welding), metal machining and fabrication activities. In addition students are provided opportunity to develop basic 12 volt theory experience through trailer wiring activities.

Safety information

Safety in this subject is a non-negotiable. Students will be expected to participate with tools and processes that are considered to be of medium level risk (Level 2). The students should at all times display a safety-conscious working procedure. In addition:

- The students should have the motor skills and physical stature required to operate the machinery.
- The rules for using the machine should meet the special needs of individuals (e.g. direct supervision).
- Machines should only be used under teacher supervision.
- The location should be appropriate for the activity and be considered in respect to the type of machine being used (e.g. space needed to manipulate any materials being worked in the plant, without impeding or obstructing thoroughfares).

Week beginning	Unit Of Work		Notes
23-Mar-09	Sheet Metal project (10)	Practical	Students assessed on Practical expertise and safe working practices
18-May-09	Industry Awareness (Pre-engineering)	Assignment	Assignment based on industry related area
08-Jun-09	Plumb Bob (Metal Lathe)	Practical	(Specific turning artifact maybe changed)
08-Jun-09	Trailer Wiring	Practical and Formal Exam	Observation of practical classwork and 12 Volt theory exam
15-Jun-09	Machinery Induction Program (10)	Informal Exam / On-line tutorial	

Year 10 Pre-Furnishing

Pre-Furnishing is allocated 3 x 70 minute lessons per week for one (1) semester. This is an introduction to the furnishing industry. Successful student work in this subject can contribute to the competencies for Certificate 1 in Furnishing.

Students will participate in a variety of learning experiences that provide meaningful learning experiences in the area of:

Safety in the furnishing workplace
 Drawing interpretation
 Selection and application of hand and power tools
 Selection and application of static machinery
 Materials preparation and assembly of furnishing products
 Surface preparation and finishing

Safety information

Safety in this subject is a non-negotiable. Students will be expected to participate with tools and processes that are considered to be of medium level risk (Level 2). The students should at all times display a safety-conscious working procedure. In addition:

- The students should have the motor skills and physical stature required to operate the machinery.
- The rules for using the machine should meet the special needs of individuals (e.g. direct supervision).
- Machines should only be used under teacher supervision.
- The location should be appropriate for the activity and be considered in respect to the type of machine being used (e.g. space needed to manipulate any materials being worked in the plant, without impeding or obstructing thoroughfares).

Week beginning	Unit Of Work		Notes
10-Aug-09	Desk Tidy	Profile and Practical Demonstration	
14-Sep-09	Industry awareness (Furnishing)	Assignment	Assignment based on industry related area
19-Oct-09	Pepper Grinder	Practical	
02-Nov-09	Machinery Induction Program (10)	Informal Exam / On-line tutorial	
16-Nov-09	Jewellery Box	Practical and Formal Exam	

Year 11 Industrial Technology Studies

The program operates with 3 x 70 minute lessons per week for the entire year. This flexible program of study encourages students to participate in industry placement activities (SATs).

In this subject the units of work cover industrial, domestic and / or recreational contexts. This is a very dynamic subject requiring skilled experienced teachers to deliver the program of study. Year 11 is focused on developing student skills to a high level in preparation for further industry work experience and training.

Safety information

Safety in this subject is a non-negotiable. Students will be expected to participate with tools and processes that are considered to be of high and very high level risk (Level 3 and 4). The students should at all times display a safety-conscious working procedure. In addition:

- The students should have the motor skills and physical stature required to operate the machinery.
- Machines should only be used under teacher supervision.
- The location should be appropriate for the activity and be considered in respect to the type of machine being used (e.g. space needed to manipulate any materials being worked in the plant, without impeding or obstructing work areas).

Week beginning	Unit Of Work		Notes
27-Apr-09	Pad Weld (ARC welding)	Practical and Formal Exam	Student to complete and submit practical component by the end of Semester 1.
25-May-09	Dartboard cabinet (carcase)	Practical	Practical expertise is assessed only at this stage
15-Jun-09	Oxy Welding	Practical and Formal Exam	Practical element to be completed by the end of May 2009
15-Jun-09	Meat Mallet (Aluminium)	Practical and Formal Exam	
15-Jun-09	Machinery Induction Program (11)	Informal Exam / On-line tutorial	
14-Sep-09	Dartboard cabinet (doors)	Practical	Practical expertise and underpinning woodworking theory is assessed
14-Sep-09	Pepper Grinder	Practical	
09-Nov-09	Laminated Bowl Woodturning	Practical	
09-Nov-09	Sheet Metal project (11)	Practical and Formal Exam	Includes elements relating to resistance welding (ie spot welding) and metal finishing (eg painting metals)
09-Nov-09	Trailer Repairs	Practical	

Year 12 Industry Technology Studies

The program operates with 3 x 70 minute lessons per week for the entire year. With online support and accreditation processes for workshop tools and processes across a range of industries.

In this subject the units of work cover industrial, domestic and / or recreational contexts. Students will be provided an opportunity for a project of their own choice early in the year. All material costs for this major project are to be carried by the student. In the event a student is unable to provide materials, a school based project will be identified for them.

Safety information

Safety in this subject is a non-negotiable. Students will be expected to participate with tools and processes that are considered to be of very high level risk (Level 4). The students should at all times display a safety-conscious working procedure. In addition:

- The students should have the motor skills and physical stature required to operate the machinery.
- The rules for using the machine should meet the special needs of individuals (e.g. direct supervision).
- Machines should only be used under teacher supervision.
- The location should be appropriate for the activity and be considered in respect to the type of machine being used (e.g. space needed to manipulate any materials being worked in the plant, without impeding or obstructing work areas).

Week beginning	Unit Of Work	Notes
	Minor Project	Profile and Practical Demonstration
	Major Project	Profile and Practical Demonstration
	School Projects	Practical
	Machinery Induction Program (12)	Informal Exam / On-line tutorial

Year 8 Industrial Technology

Students participate in a 5 week program followed with an option to undertake one 10 week term of study in Semester 2.

This is a cross section of industry materials and processes.

Safety information

This program of work will encourage students to develop confidence in the workshop environment and to understand the implication of choices they make in relation to safety. All processes and tools used in this program of study are considered to be Low risk (Level 1).

Week beginning	Unit Of Work		Notes
	Machinery Induction Program (8)	Observation	On-going progressive assessment
	Puzzle Box	Practical	Various as student are involved in a rotation based program of study in Semester 1
10-Aug-09	Acrylic Bowl and Mold (Timber)	Profile and Practical Demonstration	
24-Aug-09	Wooden Toy (Car)	Practical	
14-Sep-09	Ball Bearing Game	Practical	

Year 9 Craft Technology

Students participate in four (4) lessons per week over the full year of the year.

Design and Problem solving, Woodworking, Plastics (both Thermoforming and Termosetting), Sheet metal, fitting and fabricating

Safety information

Teachers should ensure students undertaking Medium Risk (Level 2) activities:

- are proficient in the use of relevant level 1 machines
- display ability to comprehend and conform to safe working procedures; and
- operating this plant can:
- demonstrate practical and manipulative skills that exhibit prior learning; and/or
- display responsibility that indicates ability to operate the equipment without endangering their own and others' health and safety.

Week beginning	Unit Of Work	Notes	
02-Mar-09	Cake slice (Acrylic)	Practical and Formal Exam	
04-May-09	Polyester resin embedments	Practical and Formal Exam	
08-Jun-09	Acrylic Photoholder	Practical	
15-Jun-09	Machinery Induction Program (9)	Informal Exam / On-line tutorial	
03-Aug-09	Wooden Toy (for young child)	Profile and Practical Demonstration	
10-Aug-09	Aluminium Bowl (planishing)	Practical and Formal Exam	
14-Sep-09	Polyester resin (Pen holder)	Practical	
02-Nov-09	Injection Moulding (sandwich - Year 9)	Profile and Practical Demonstration	
23-Nov-09	Blow forming - Nut Bowl	Practical	Subject to time constraints and equipment availability

Year 9 Industrial Technology in Action

Students participate in four (4) lessons per week over the full year of the year.

Students focus their learning through a range of learning activities such as:

Safety information

Teachers should ensure students undertaking Medium Risk (Level 2) activities:

- are proficient in the use of relevant level 1 machines
- display ability to comprehend and conform to safe working procedures; and
- operating this plant can:
- demonstrate practical and manipulative skills that exhibit prior learning; and/or
- display responsibility that indicates ability to operate the equipment without endangering their own and others' health and safety.

Week

Week beginning	Unit Of Work	Notes
23-Mar-09	Mouse Trap Racer	Profile and Practical Demonstration
04-May-09	Paper Rockets	Profile and Practical Demonstration
15-Jun-09	Machinery Induction Program (9)	Informal Exam / On-line tutorial
20-Jul-09	CO2 Dragster	Profile and Practical Demonstration
14-Sep-09	Toy with moving parts	Profile and Practical Demonstration