

Industrial Technology Studies

Sample B — study plan

January 2011

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Compiled by the Queensland Studies Authority

January 2011

A study plan is the school's plan of how the course will be delivered and assessed, based on the school's interpretation of the syllabus. The school's study plan must meet syllabus requirements, and indicate that there will be sufficient scope and depth of student learning to reflect the general objectives and meet the exit criteria and standards.

This sample demonstrates one approach, and should be used as a guide only to help teachers plan and develop school study plans.



Study Plan for an Authority-registered Study Area Specification

When completing this form online, do not worry if a table breaks over to a new page.

Use this form to provide information in relation to the school's plan for teaching and assessing this Authority-registered subject.

You should complete this study plan on the computer.

Please note:

This study plan can be accessed from the QSA's website (www.qsa.qld.edu.au).

Insert the course details into the second page of the school's study plan.

SECTION 1: School's statement

School:	<u>The State High School</u>	School code:	<u>123</u>
Specification:	<u>Manufacturing (Industrial Technology Studies)</u>	Subject code:	<u>6080</u>
School contact:	<u>Mr Teacher</u>	Phone:	

This is: a new study plan a resubmission an amendment to an approved study plan
(attach a note explaining nature of amendment)

This school intends to use: Approach B *(Four semesters — Non-VET)* Approach C **6077** *(Two semesters — Cert 1 Furnishing, combined with two semesters of Industrial Technology Studies. A minimum of two and a maximum of four units of study selected from the Approach B Strands — Non-VET)*

Application for approval

The school has the resources necessary to implement this program of study and agrees to apply the *Principles of assessment* as outlined in the study area specification, and to follow the procedures and conditions set by the Queensland Studies Authority for approval of the study plan and certification of student achievement. The timetabled school time devoted to the study and assessment of this subject is a minimum of 55 hours per semester.

Declaration

Subject-specific advice to schools:

Subject Codes (Approach B):

Strand	Subject Code	Strand	Subject Code
Aeroskills Studies	6089	Furnishing Studies	6078
Automotive Studies	6070	Industrial Graphics Studies	6074
Building & Construction Studies	6072	Plastics Studies	6091
Engineering Studies	6076	Industrial Technology Studies	6080

- The **study area core** is mandatory and consists of the core principles of manufacturing, safety and technological processes. **An integrated approach over the two-year period should be adopted.** It encompasses a problem-solving approach and provides a basis for acquiring the underpinning skills, understanding and concepts of the subject that will support further student learning.
- Industry orientation is a mandatory unit in all strands.
- Schools designing a course of study in the strand, **Industrial Technology Studies**, must choose a minimum of four and a maximum of six units of study from at least two of the seven strands. *Note: Courses that focus only on Industry orientation units are not considered appropriate.*

Section 2: Assessment overview and Sample Student Profile: Years 11 and 12

Indicate each planned assessment task and provide a sample student profile by completing the attached table.

- In the **Strand** column, indicate the proposed strand (e.g. 4.3) (refer to section 4 of the syllabus).
- In the **Semester** column, indicate the semester in which the strand will be offered.
- In the **Unit** column, indicate the units (e.g. Industry orientation, Outdoor construction, Indoor construction, Finishing).
- Assessment should be undertaken through a series of projects related to single or multiple units. In the **Techniques** column, indicate a suggested project and a description of the assessment tasks used to compile the folio of work for each student (section 6.3). Assessment techniques include: multiple choice test, short answer test, written response to an open question, practical demonstration, planning, preparing and producing a product, simulated workplace activity, oral presentation/response, teacher observation of student skills.
- In the **Conditions** column, provide a description of the conditions under which the assessment instrument is to be administered (e.g. supervised workshop time, class time under direct supervision, unsupervised, individual, group, informal questions, on/off site, etc.).
- In the **Time** column, indicate the approximate time in minutes, hours or weeks allocated to the assessment task. (This may not be the duration of the unit).
- Indicate if the assessment is intended to be **formative or summative** (*Note: Year 11 should be mostly, if not all, formative*).
- In the **Criteria and standards** columns, complete the profile as it would appear for a student who has completed four semesters of the course by allocating standards for the appropriate criteria (C1 = Knowledge & understanding, C2 = Applied processes, C3 = Practical skills) assessed in each task.
- Also include exit standards in each criterion for Year 11 and Year 12, and an exit level of achievement.

Strand	Semester	Units	Technique(s) employed	Conditions	Time	Formative/ Summative	Criteria and Standards		
							C1	C2	C3
4.5	1	Industry orientation/ framing construction	1. Test — e.g. induction card Short answer response.	Individual. Class time: under direct supervision.	60 min	F	B		
			2. Skills projects — e.g. range of small tasks Photo of final product.	Individual. Guided workshop activities under direct teacher supervision.	6 wks	F			A
			3. Project — e.g. saw stool Production logbook (photos).	Individual. Supervised workshop time.	9	F	A	B	A
4.5	2	Framing construction	4. Project — e.g. coffee table Production logbook (photos).	Individual. Supervised workshop time.	9	F	B	B	B
4.6		Graphics for the furnishing industry	5. Folio — e.g. set of classwork drawings Preparing detailed plans for the coffee table project.	Individual. Supervised class time.	9	F	B	C	B
4.4	3	Cutting and joining materials	6. Skills exercise — e.g. Arc and MIG welding exercises Direct observation of workshop activities. Check sheet.	Individual. Workshop time: under direct teacher guidance.	4	S			B
			7. Project — e.g. F-clamp/boat anchor Completion of defined tasks. Activity workbook.	Individual. Supervised class time.	12	S	B	C	B
		Industry orientation	8. Job search activity Journal/diary.	Group. Class time and home time.	10	S	C	B	
4.6	4	Graphics for the general manufacturing industry	9. Folio, e.g. set of classwork drawings Preparing detailed plans for next project.	Individual. Supervised class time.	9	S	B	C	A
4.4		Fabrication	10. Project — e.g. toolbox Production logbook (photos).	Individual. Supervised workshop time.	6	S	B	C	C
Exit standards							B	C	B
Exit level of achievement							B		

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