



VCE INDUCTION PACKAGE 2022

UNITS 1 AND 2

Product Design and Technology



Stan always felt paranoid
when in possession of a joint.

NAME:

Welcome letter

Dear Students,

Welcome to Product Design and Technology Units 1 & 2.

During the course of the year you will be required to complete a range of tasks to build your design skills and enable you to present your ideas clearly. It is essential that you make every effort to see all tasks through to completion, regardless of whether or not you have other commitments inside or outside of school (sport, excursions, holidays etc) as each of the tasks will be fundamental to your ability to complete Units 1 & 2 successfully.

Previous students have gained admission to tertiary institutions using work that they completed during Units 1 & 2 as a part of their application so do not assume that you can coast through this year and only work hard in Year 12.

If you are well organised, motivated and have a good work ethic, you will have an enjoyable and successful year.

In order to achieve your best and get the most out of this course, there are a number of things we suggest you do over the summer holidays and throughout 2022.

1. Purchase the textbook and required folios
2. Develop a study timetable that will assist you in meeting the work deadlines.
This is particularly important if you are undertaking more than one folio-based subject.
3. Ensure that you become familiar with the Information on **Moodle** and other resources (websites, notes, other textbooks,)
4. Visit the **VCAA** website regularly to familiarise yourself with past examination papers and to read the examiners' reports: www.vcaa.vic.edu.au
5. Become familiar with the school's **VCE Compliance Policy** by reading the VCE handbook located on MOODLE.
6. Communicate with students who have studied the subject in previous years to get their perspective and suggestions for success.
7. Ensure that you have a balanced life that consists of schoolwork, exercise, sport, leisure, rest and a healthy diet.

Please feel free to contact me with any questions you have throughout the year. On behalf of the Product Design and Technology Study staff, we wish you all the best for your studies during 2021.

Regards,

Mrs. Heather Aeschlimann

NAME OF TEACHER	EMAIL ADDRESS	LOCATION
Mrs. Heather Aeschlimann	aeschlimannh@vermontsc.vic.edu.au	Tech Staffroom (S8)

Outline of Study Design for Units 1 & 2

Unit 1: Sustainable product redevelopment

This unit focuses on the analysis, modification and improvement of a product design with consideration of sustainability.

AREA OF STUDY 1: Sustainable redevelopment of a product

This area of study introduces students to the product design process, lifecycle analysis/assessment (LCA), IP and the product design factors, with an emphasis on sustainability. Students consider contemporary practices of designers who claim to incorporate sustainable practices.

Outcome 1

On completion of this unit the student should be able to design and plan the redevelopment of a product with the intention of developing a different product with consideration of sustainability issues.

AREA OF STUDY 2: Producing and evaluating a redeveloped product

This area of study focuses on the implementation of the design and planning completed in Area of Study 1. Students refer to their working drawings and scheduled production plan, and apply a range of techniques and processes safely to make a redeveloped product.

Outcome 2

On completion of this unit the student should be able to select and apply materials, tools, equipment and processes to make a redeveloped product, and compare this with the original product.

Unit 2: Collaborative design

In this unit students work in teams to design and develop an item in a product range or contribute to the design, planning and production of a group product. They focus on factors including end-user/s' needs and wants; function, purpose and context for product design; aesthetics; materials and sustainability; and the impact of these factors on a design solution.

AREA OF STUDY 1: Designing within a team

This area of study enables students to apply the product design process collaboratively and individually. Each student works in a design team to generate one design brief collaboratively from a scenario, based around a theme and contributes to the design, planning and production of a group product. Individual roles and responsibilities are allocated. Students develop evaluation criteria for the finished product to determine if each criterion has been met through testing and feedback.

Outcome 1

On completion of this unit the student should be able to design and plan a product or range of products collaboratively in response to a design brief.

AREA OF STUDY 2: Producing and evaluating within a team

In this area of study students apply knowledge, skills, techniques and processes, including risk management, to make their product, designed in Area of Study 1, in accordance with the team requirements. To ensure consistency throughout production, the team refers to the historical or contemporary cultural design movement or style that inspired their designs. To facilitate communication, students may use digital and project management tools.

Outcome 2

On completion of this unit the student should be able to justify, manage and use appropriate production processes to make a product safely and evaluate individually and as a member of a team, the processes and materials used and the suitability of a product or components of a group product/s against the design brief.

Assessment Timeline 2022 TBC

* due dates confirmed at the start of each Unit in 2022

Unit 1: Product re-design and sustainability

Outcome	Marks	Task	Date
<p style="text-align: center;">SAC (SCHOOL ASSESSED COURSE WORK)</p> <p>Outcome 1 – Sustainable redevelopment of a product</p> <p>On completion of this unit the student should be able to design and plan the redevelopment of a product with the intention of developing a different product with consideration of sustainability issues.</p>	50 Marks	<p>For this unit students are required to demonstrate two outcomes. As a set these outcomes encompass the areas of study in the unit.</p> <p>The two compulsory assessment tasks for this unit are:</p> <ul style="list-style-type: none"> • a design folio that contains an analysis of a product's sustainability, a design brief, evaluation criteria, research, visualisations and design options, working drawings, a scheduled production plan, and an evaluation report on the finished product 	TERM 1 WEEK 6
<p style="text-align: center;">SAC (SCHOOL ASSESSED COURSE WORK)</p> <p>Outcome 2 – Producing and evaluating a redeveloped product</p> <p>On completion of this unit the student should be able to select and apply materials, tools, equipment and processes to make a redeveloped product, and compare this with the original product.</p>	40 Marks	<ul style="list-style-type: none"> • a finished product and records of production and modifications. <p>Additionally, suitable tasks for assessment may be selected from the following:</p> <ul style="list-style-type: none"> • an oral presentation supported by notes and/or visual materials • a short written report that includes materials testing or trialling activities, industry visits, technical reports • a case study analysis. 	TERM 2 WEEK 6 Production TERM 2 WEEK 8 Evaluation
<p>EXAM – End of Unit Exam</p> <p>The exam will be based on the skills and knowledge covered in Unit 1.</p>	70 Marks		TERM2 WEEK 9 To be confirmed

Unit 2: Collaborative design

Outcome	Marks	Task	Date
<p style="text-align: center;">SAC (SCHOOL ASSESSED COURSE WORK)</p> <p><u>Outcome 1</u> – Designing within a team</p> <p>On completion of this unit the student should be able to design and plan a product or range of products collaboratively in response to a design brief.</p>	50 Marks	<p>For this unit students are required to demonstrate two outcomes. As a set these outcomes encompass the areas of study in the unit.</p> <p>The two compulsory assessment tasks for this unit are:</p> <ul style="list-style-type: none"> • a design folio that contains a design brief, evaluation criteria, research, visualisations and design options, working drawings, scheduled production plan, and evaluation report 	TERM 3 WEEK 5
<p style="text-align: center;">SAC (SCHOOL ASSESSED COURSE WORK)</p> <p><u>Outcome 2</u> – Producing and evaluating within a team</p> <p>On completion of this unit the student should be able to justify, manage and use appropriate production processes to make a product safely and evaluate individually and as a member of a team, the processes and materials used and the suitability of a product or components of a group product/s against the design brief.</p>	40 Marks	<ul style="list-style-type: none"> • product and records of production and modifications <p>Additionally, suitable tasks for assessment may be selected from the following:</p> <ul style="list-style-type: none"> • an oral report supported by notes and/or visual materials • a short written report that includes materials testing or trialling activities, industry visits, technical reports. 	<p>TERM 4 WEEK 3</p> <p>Production</p> <p>TERM 4 WEEK 5</p> <p>Evaluation</p>
<p><u>EXAM</u> – End of Unit Exam</p> <p>The exam will be based on the skills and knowledge covered in Unit 2.</p>	70 Marks		<p>TERM 4 WEEK 7</p> <p>To be confirmed</p>

Assessment Summary and important notes

UNIT 1 and 2 COURSEWORK AND SAC REQUIREMENTS:

In order to successfully pass a Unit, all students are required to:

- Complete all set coursework.
- Obtain a pass in all scheduled School Assessed Coursework (SACs).
- Complete both the mid-year and end of year exams

All students are required to be up to date with their coursework prior to sitting/submitting a SAC.

Resources to support the Study

VCE Product Design and Technology 2018-2022

MOODLE: <http://moodle.vermontsc.vic.edu.au/> - My Courses – Product Design and Technology

Materials Required – Texts, Stationery, and other Resources

** Please note that the list below is the Basic items – many students will get other stationery items for specific requirements of their folio and finished work. As an Art/Design student there will be other materials you may wish to purchase to assist you with your own work.

Required Materials to be brought to each class:

- **Text Book** -
- **A3 Visual Diary** – this will be used for drawings, plans, sketches for the year in Visual Communication & Design.
- **A3 Display Book** (Folio) (students may require more than one for folios)
- **Graphite** (grey-lead pencils) – 2H → 2B
- **0.2mm fine-liner** (BLACK)
- **Coloured Pencils** (at least a 12 set)
- **Set Squares** (30/60o & 45o)
- **Ruler & Eraser**
- **8GB USB stick**
- **A4 Display folder** (for all worksheets, notes and technical information)

I wish you every success for your study of Design and Technology and invite you to talk to me at any time regarding any aspect of the course.

Kind regards,

Heather Aeschlimann

Technology and Visual Art Learning Area Leader