



WANGARATTA
HIGH SCHOOL

Technology

Senior Subject Information for 2021
Year 11 & 12 Courses of Study

Year 11 & 12 Subject Offerings in 2021



Wood

Textiles

Food

Systems
Engineering

(unit 1 & 2 only)

Technology Learning Area



- **Product Design and Technology units 1-4**
 - **Wood *or***
 - **Textiles**
- **Food studies units 1-4**
- **Systems Engineering units 1 & 2**

Textiles – Design Technology

Product Design and Technology Textiles

Product design is a response to changing needs and to improve quality of life by designing creative, innovative and sustainable products using textiles.



Textiles – Design Technology

Product Design and Technology Textiles

Assessment (unit 3 & 4)

- 50 % Folio based assessment
- 20% Sac x 3
- 30% End of year exam.



Textiles – Design Technology

Product Design and Technology Textiles

Career opportunities

- Garment Technologist.
 - Fashion Designers.
 - Retail Buyer.
 - Fashion Illustrator.
 - Merchandisers.
 - Fashion Stylist.
 - Textile designers
 - Personal Stylist
 - Pattern maker
 - Garment engineer
- (the list is endless of transferable skills)



Wood - Design Technology

Product Design and Technology Wood

Product design is a response to changing needs and to improve quality of life by designing creative, innovative and sustainable products.



Wood - Design Technology

Product design and Technology Wood

- **Assessment (unit 3 & 4)**
 - 50 % Folio based assessment
 - 20% Sacs
 - 30% End of year exam.



Wood - Design Technology

Product Design and Technology Wood **Career opportunities**

- Furniture designer
 - Cabinet maker
 - Woodwork artist
 - Industrial designer
 - French polisher
 - Engineer
 - Tradesperson
 - Building design & drafting
- (the list is endless of transferable skills)



Technology - Food Studies

Food Studies

An interdisciplinary approach to the exploration of food, with an emphasis on extending food knowledge and skills and building individual pathways to health and wellbeing through the application of practical food skills.



Technology - Food Studies

Food Studies

- Unit 1: Food origins
- Unit 2: Food makers
- Unit 3: Food in daily life
- Unit 4: Food issues, challenges and futures



Assessment (Unit 3 and 4)

- Unit 3 School-assessed Coursework: 30 per cent •
- Unit 4 School-assessed Coursework: 30 per cent •
- End-of-year examination: 40 per cent.



Technology - Food Studies

Food Studies

Career opportunities

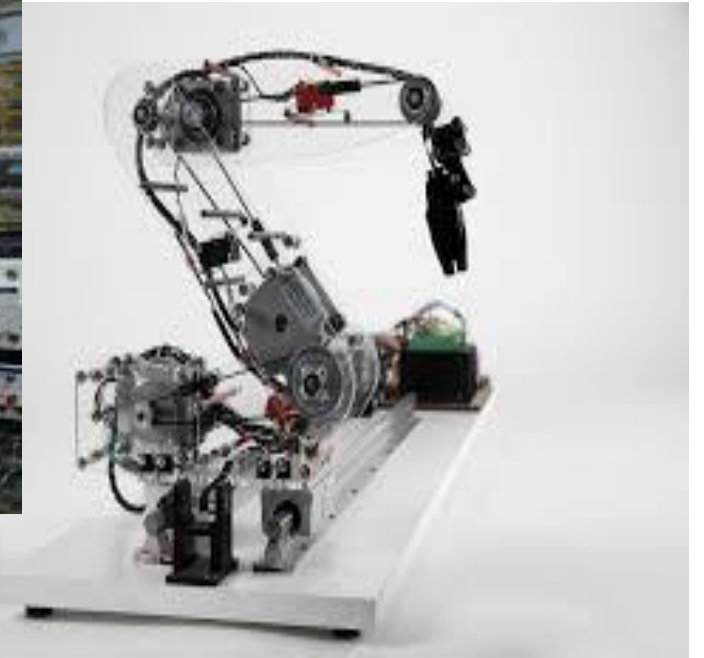
- Food Media.
 - Personal or Private Chef.
 - Nutritionist or Dietitian.
 - Food Policy developer.
 - Food Historian.
 - Culinary Tours guide.
 - Food Studies Professor.
 - Research and Development in food production.
- (the list is endless of transferable skills)



Technology -Systems Engineering

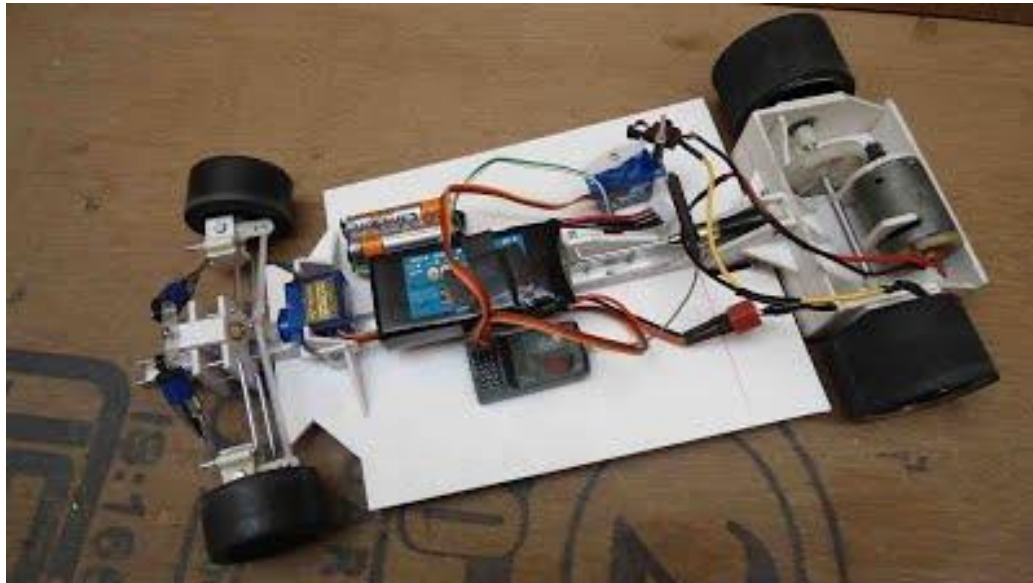
- **Introduction to Systems Engineering**

VCE Systems Engineering is the identification and quantification of systems goals, the generation of system designs, trial and error, justified design trade-offs, selection and implementation of the most appropriate design.



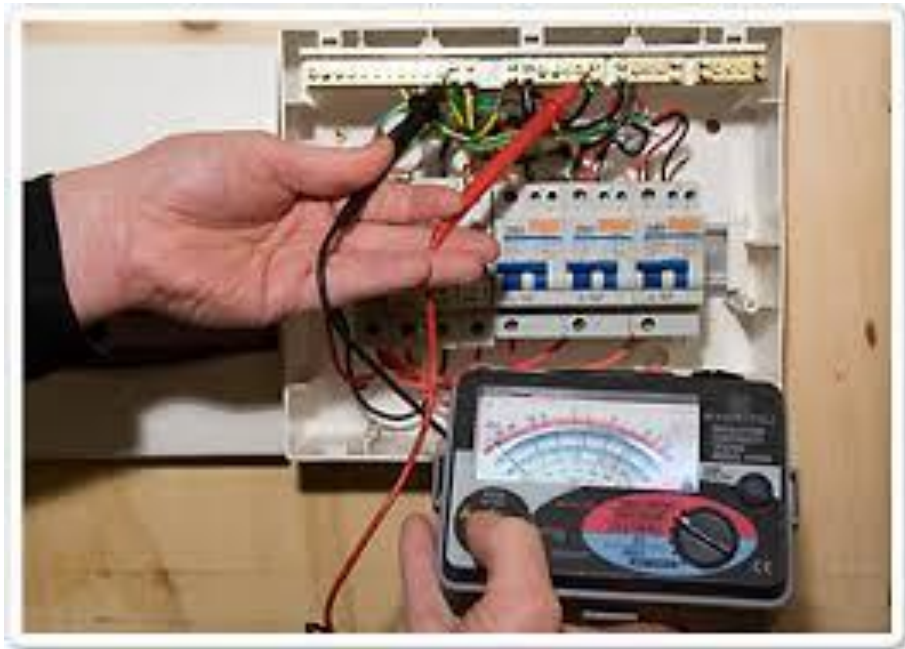
Technology -Systems Engineering

- Unit 1: Mechanical systems
- Unit 2: Electrotechnological systems



Technology -Systems Engineering

- Unit 1: Mechanical systems
- Unit 2: Electrotechnological systems
(school based assessment)



Technology -Systems Engineering

Career opportunities

- Petroleum Engineers.
- Nuclear Engineers.
- Aerospace Engineers.
- Engineering Managers.
- Chemical Engineers.
- Electrical Engineers.
- Biomedical Engineers.
- Materials Engineers.



Where Technology might lead you?

- 'Skills for life'.
- University pathway-enhanced creative and critical thinking skills.
- Applied learning pathway to trade based skills.



Further Questions



- Product design and Technology -textiles gayle.okeefe@education.vic.gov.au
- Product design and Technology –Wood Elizabeth.Grech@education.vic.gov.au
- Systems Engineering unit 1-2 Ross.Kelly@education.vic.gov.au
- Food Studies donna.lane@education.vic.gov.au

Other resources:

VCAA Study Designs

<https://www.vcaa.vic.edu.au/curriculum/vce/vce-study-designs/Pages/vce-study-designs.aspx>

Top Designs- Seasons of Excellence

<https://museumsvictoria.com.au/melbournmuseum/learning/top-designs-2020/>

VTAC Guides

Year 11 - <http://vtac.edu.au/y11guide.html>

Year 12 - <http://vtac.edu.au/y12guide.html>