

Anderson Secondary School

Subject Briefing 2019 – Sec 2N(A)

Art, Design & Technology

HOD/A&T

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Art

- Why Art ?
 - No written exam
 - Exciting Curriculum
 - Interest in Art





Art Lesson

- Students get:
 - try out different mediums and tools in art making (clay, linoleum print, photography)
 - to go on trips to museums, art galleries etc



Examination Requirements

- Paper 1 (Coursework) 60%
- Paper 2 (Drawing & Painting) ... 40%



Paper 1 (Coursework)

Paper 1 (Coursework) requirement

- 1 Final project and
- 5 A2 size preparatory boards

6 Themes will be given to you by SEAB, and you pick 1 theme to execute.

You have 6 months to complete your Paper 1 (coursework).



Paper 2 (Drawing & Painting)

Paper 2 (Drawing & Painting) requirement

-1 Final Painting/Drawing and

-5 sheets (10 pages) of A3 size preparatory drawings

6 Themes will be given by SEAB, and you pick 1 theme to execute.

Given 3 weeks to complete the preparatory drawings.

3 hours to complete the painting/drawing during actual 'N' level examination date.



Sample Works





Polytechnics courses that can use Art for the computation of ELR2B2:

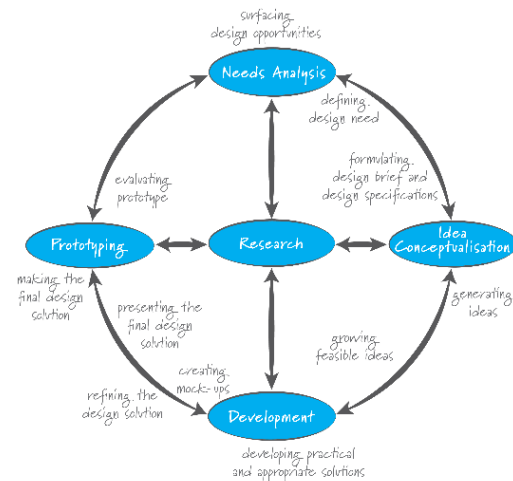
- Architecture Courses
- Business-related Courses

<http://www.tp.edu.sg/admissions/gce-o-level-aggregate-scores-computation>

<https://www.sp.edu.sg/sp/admissions/admissions-exercises/admission-criteria/selection-criteria-for-gce-o-level-holders>



Design & Technology



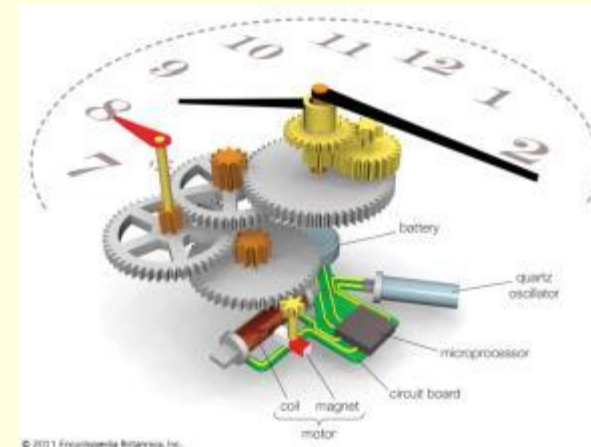
Design Process



Structures



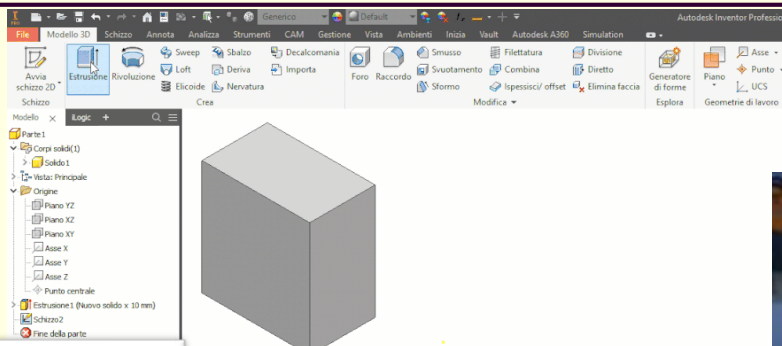
Electronics



Mechanisms



Design & Technology



Autodesk Inventor



Testing out the theory



Learning Journey



Examination Requirments

- Paper 1 (Written Exam) 40%
 - 1.5 hrs written paper
- Paper 2 (Design Project) 60%
 - Coursework (20 weeks to complete)



Design Project (Coursework)

- Coursework Components:
 - Design Journal
 - Prototype
 - Presentation Boards

- Project Theme given in early Jan
- 20 weeks to complete the coursework



Coursework (Journal + Presentation Boards)



Orange cutter .

Problem Situation

I have a very intelligent younger brother, who is 6 years old. He has a keenly wanted to **learn to cut oranges by himself**. However, it will be **too dangerous** as he has never even hold a knife before.

Design Brief

To design and make a product that will **allow children to cut oranges**

Concept Sketches

Orange cutter .

Design Specifications

- The product should be **user-friendly**
- There should be a **handle with a firm grip**
- The **colours** used should be **most attractive to the children**
- There **should not be very sharp edges**, as the child might injure himself/herself
- The product should be **water proof**, so that the user can wash it after use.

Evaluation

The **handling** of the **orange** is **easy** **enough** **for** **the** **user** **to** **use** **the** **product** **when** **cutting** **the** **orange**.

Pushing **the** **orange** **into** **the** **blade** **is** **easy** **enough** **for** **the** **user** **to** **use** **the** **product** **when** **cutting** **the** **orange**.

The **orange** **can** **be** **cut** **into** **segments** **in** **the** **middle** **of** **the** **orange** **and** **the** **segments** **can** **be** **used** **for** **snacks**.

However, it **wasn't** **clear** **that** **the** **orange** **can** **be** **cut** **into** **segments** **in** **the** **middle** **of** **the** **orange**.

Orange cutter .

Presentation Drawing

Working Drawing

Exploded View



Polytechnics courses that can use D&T for the computation of ELR2B2:

- Architecture Courses
- Science-based Courses
- Technology Courses

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