



Guangyang Secondary School
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SEMESTRAL PLAN (4E & 5N)

1 Curriculum Plan

Term 1	Coursework	Remarks
Week 1-3	Revision on Theory	
Week 4	Analysis of Theme: Definition Mind-mapping/Brainstorming Seeking Design Opportunities January Reflection	
Week 5	Seeking Design Opportunities (SDO) 2 to 3 Photos related to theme (PIES)	
Week 6-7	Decision Matrix for problem situation Research into User Functionality Environment Product Analysis Design Brief, Design Situation, Design Specifications. February Reflection	<i>CNY Hols</i>
Week 8-9	Idea Exploration and Sketching to Design	
T1W9 - Design Journal checked for verification of the progress status, appropriateness and authenticity of the work.		
Week 10	Idea Exploration and Sketching to Design	
March Vacation Week 11	Idea Exploration and Sketching to Design	

Term 2	Coursework	Remarks
Week 1-2	Selection of Final Design Idea Mock-ups March Reflection	<i>Good Friday Holiday</i>
Week 3-4	Idea Conceptualisation and Development <ul style="list-style-type: none"> - Functionality - Target Audience (User) - Dimensions (Critical) - Materials Selection - Ergonomics - Aesthetics - Production Methods 	
Week 5-6	Final Design Draft 1 Final Dimensions Draft 1 Material List Draft 1 April Reflection	
T2W6 - Material Lists for checking and TSO for material preparation		
Week 7-8	Mid-Year Examination	<i>Labour Day Hari Raya Puasa</i>
Week 9-10	Production Planning Flow Chart Modifications	<i>Vesak Day</i>

	Production Plan for prototype	
Jun Vacation	Prototype Making June Break June Supplementary Programme	

Term 3	Coursework	Remarks
Week 1	Prototype Making June Reflection	
Week 2-3	Presentation Boards: <ul style="list-style-type: none"> - Design Situation, Design Brief & Specifications - Presentation Drawings - Contextual Drawings July Reflection	<i>Youth Day</i>
Week 4-5	Evaluation <ul style="list-style-type: none"> - Survey and Interview - Against Design Specifications 	<i>Hari Raya Haji</i>

Syllabus for GCE O Level Design & Technology (Subject code: 7059) can be retrieved from https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2021syllabus/7059_y21_sy.pdf

Assessment Weightings					
	Term 1	Term 2	Term 3	Total	
Sec 4-5	Class Tests	MYE (30%)	Preliminary Exam (70%)	100%	
National Exam Coursework					

2 Assessment for National Exam Coursework

Paper 1 (40%) Written Examination (2 hours – 80 marks)

Candidates are to answer **all** questions. The questions will be design-centric.

Question 1 requires knowledge application of Section 1 Design.

Question 2 to Question 4 require knowledge application of Section 2 Technology; specifically structures, mechanisms and electronics.

The mark allocation is:

Question 1 24 out of 80 marks

Question 2 to 4 54 out of 80 marks

Paper 2 (60%) Design Project (60 marks)

The Design Project is an individual coursework-based examination.

The Design Project will comprise two components: The Design Journal and Presentation Board.