NORTHBROOKS SECONDARY SCHOOL
SOARING YET ROOTED

Sec 2 Subject Information:
Design & Technology (Exp)

Combination offered for Exp stream:

1. Design & Technology (D&T) is offered as an elective subject, in addition to compulsory subjects such as English Language, Mother Tongue, Mathematics, Pure/Combined Science, Pure/Combined Humanities.

2. Please note that subject combinations are reviewed annually and is subject to change

Aims of D&T

- Design & Technology places great emphasis on the discipline of **design awareness**, appreciation of function, aesthetics and technology in design.

- The students' learning leverages and builds on their experiences in design and technology and emphasizes on understanding everyday activities and **creating possibilities to make life better.**

- It aims to promote problem solving design activities and to develop appropriate technical and graphical skills to realize **solutions in design problems**.

D&T Syllabus content

To provide **designing and prototyping** opportunities via the Design Process for candidates to:

- develop **design-related** dispositions

- acquire design techniques and strategies

- consolidate a sound working knowledge of **technology** (materials, workshop processes, mechanisms and electronics)

Objectives & Scheme of Assessment

Paper	Duration	Assessment Domains			Total
		A Knowledge with Understanding	B Design Thinking Skills	C Design Manipulating Skills	
1 Written Examination	2 hours	25%	10%	5%	40%
2 Design Project	22 weeks	15%	20%	25%	60%
Overall		40%	30%	30%	100%

- The Design Project is an individual coursework-based examination. The examination will be conducted over 22 weeks from the question paper release, excluding school holidays. Candidates will be required to work on a **design and prototyping project** based on the examination question.

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

How do I know if D&T is for me??

As this subject is primarily <u>project-based over a duration of 22 weeks</u>:

- Students must possess the **perseverance and diligence** to engage in recurring problem-solving design activities.

- Students must have the **self-discipline** in managing the project within **the given timeframe**.

- Students must be **competent in drawing techniques** for design communication.

Career Prospects

Possible career opportunities in the following industries:

- Art & Design (e.g. Product designer)
- IT (e.g Web designer)
- Construction (e.g Architect)
- Manufacturing (e.g. Manufacturing Engineer)

Useful links

- Pls scan the QR code to SEAB syllabus info, and other useful info