

# **NORTHBROOKS SECONDARY SCHOOL**

**SOARING YET ROOTED**

## ***Sec 2 Subject Information: Design & Technology (NT)***





# Combination offered for NT stream:

1. Design & Technology (D&T) is offered as an elective subject, in addition to compulsory subjects such as English Language, Mother Tongue, Mathematics, Science, Computer Applications.
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	1 hour	10%	10%	10%	30%
2 Design Project	20 weeks	20%	20%	30%	70%
Overall		30%	30%	40%	100%

- The Design Project is an individual coursework-based examination. The examination will be conducted over 20 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.
- 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 project-based over a duration of 20 weeks:

- 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

