

DESIGN TECHNOLOGY

ELECTIVE
SUBJECT

Year 10

Course Outline: Success starts with understanding the design process, critical thinking and problem-solving. Design Technology provides students with the opportunity to develop solutions to complex challenges and contribute to sustainable patterns of living and provides a deeper understanding of our world and the skills needed for careers of the future. Students will design and create solutions to problems using materials, data, systems, components, tools and equipment.

Learning Experiences:

- Group design challenges and research projects
 - Problem solving
 - Practical experimentation
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Duration: 1 year

Assessment:

- Projects
 - Investigations
 - Examinations
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Certification: School End of Semester Reports.

Commitment: In order to succeed in this subject, students must collaborate in teams to solve complex problems, plan and design investigations and complete practical design challenge.

Cost: Refer to the schedule of fees.

Course Requirements: A laptop that meets school minimum specifications. Students must bring all stationery items as per the book list and abide by school uniform and footwear guidelines required during all lessons. Other personal protective equipment will be provided.

Links to Careers: Engineering, Product Design, Architecture, Drafting, Environmental Science and many emerging design careers.

By exposing students to Design Technology and giving them opportunities to explore Design-related concepts, they will develop a passion for solving complex problems and developing real-life solutions. These skills create a willingness to engage in Design-related issues as a constructive, concerned and reflective citizen.