

Why do you need to study Design and Applied Technology (DAT) ?

In the 21st century, technology has become an integral part of our life. DAT will equip students with the ability of using technology and design to face the rapid social, economic, and technological changes.

What is it about ?

The overarching aim of DAT is to provide students with the fundamental knowledge and skills in technology and design, and cultivate in them the necessary attributes of innovation and entrepreneurship in order to face the rapid changes in a knowledge-based economy.

What can you learn from it ?

DAT calls for the understanding and application of knowledge in a range of technological areas to address particular needs and aspirations. It encourages students to explore the synthesis of ideas and practices, and examine the effect of technology on society and the environment.

Curriculum Structure :

Compulsory part (3 strands)

Design and Innovation

Technological Principles

Value and Impact

Elective part (any 2 optional modules)

Automation

Creative Digital Media

Electronics

Design Implementation and Material Processing

Visualisation and CAD Modelling

What will be the coursework for public assessment ?

The School-based assessment will carry 40% of the subject mark. A Project List will be provided to candidates. Candidates are required to complete the project work and submit the artefacts / models / CD and portfolio by a specified time.

Examples of design project :

Underground Shopping Mall

Tsang King Chun, Student of HHCKLA Buddhist Ching Kok Secondary School

"A good architectural design will not only have a pleasing outlook, but also fit in harmony with the environment surroundings. I learnt a lot of design skills through this design coursework."

Floor Cleaning Robot

Lee Kwok Chuen, Student of Po Leung Kuk C W Chu College

"Robot technology is not difficult for me any more. My interest and understanding towards product design were boosted. I realised that technology and living were interrelated."

Merry Go Round Coin Box

Chan Chi Hang, Student of S.T.F.A. Seaward Woo College

"The design process has greatly enhanced my skills and experiences in modelling and electronics, as well as my aspiration to perfection and ever-improving quality has been cultivated."

How can DAT help you prepare for your future ?

Students will find DAT helpful in further studies or attracting them into the design and advanced technology fields in the areas such as design, technology, engineering and creative industry.

Possible Areas for Career Development

e.g. Engineering / Design / Applied Science / Media Communication / Education

Related local / overseas Degree Programmes

e.g. Electronic / Electrical Engineering, Automation and Computer-aided Engineering, Design, Media / Digital Graphic Communication and Engineering Management

Design & Applied Technology

We cultivate the attributes of
Innovation and Entrepreneurship
Technology Education Key Learning Area

Junior Secondary

New Senior Secondary

D&T

DAT

- Operations and Manufacturing
- Systems and Control
- Materials and Structures