

Hong Kong Diploma of Secondary Education Examination 2016
DESIGN AND APPLIED TECHNOLOGY
SBA Project – Suggested Titles

Candidates are required to choose ONE project from the following:

Project 1: Seating and Service Equipment in Fast Food Restaurants

Fast food restaurants are a popular type of restaurant in Hong Kong.

Part 1: Research, Investigation and Data Collection

- Investigate and explore the use of space in fast food restaurants in Hong Kong.
- Investigate the structure and construction of modular seating units.
- Explore designs of trolleys for collecting used cutlery and food trays.

Part 2: Design and Make

- Design and make a modular seating unit for 2 or 4 persons.
- Design and make a trolley for collecting used cutlery and food trays.
- Propose and draw a floor plan for a new fast food restaurant.

Project 2: A Tree Lodge

Tree lodges can be a tourist attraction in Hong Kong.

Part 1: Research, Investigation and Data Collection

- Investigate the possibilities of building tree lodges as a tourist attraction in Hong Kong.
- Investigate the use of modern materials in building tree lodges.
- Explore ways to link up tree lodges.

Part 2: Design and Make

- Design a tree lodge with a specific purpose.
- Design and illustrate a way for people to travel between a series of tree lodges.
- Make a list of safety measures for tree lodge users.

Project 3: A Covered Bus Terminal for A Shopping Mall

A covered bus terminal will be built for a new shopping mall.

Part 1: Research, Investigation and Data Collection

- Investigate ways to improve the air quality of covered bus terminals.
- Explore the use of a device to help disabled people get on and off a bus.
- Explore different seating options for passengers in the waiting area.

Part 2: Design and Make

- Develop ideas for designing a covered bus terminal to be built for a new shopping mall.
- Design and illustrate a device to be used at the bus terminal platform to help disabled people get on and off a bus.
- Design and make seating provisions for passengers waiting for buses.

Remarks:

The HKDSE Examination Regulations stipulate that a candidate may be liable to disqualification from part or the whole of the Examination or suffer a mark or grade penalty for breaching the regulations. For details, please refer to the SBA Teachers' Handbook for Design and Applied Technology:

http://www.hkeaa.edu.hk/en/sba/sub_info_sba/dse_subject.html?10