

Hong Kong Diploma of Secondary Education Examination 2012
DESIGN AND APPLIED TECHNOLOGY
SBA Project List

Candidates are required to choose one project only.

Project 1: A Green House

Green houses usually contain a simple structure and have the advantage of allowing plants to be grown all year round.

Part 1: Research, Investigation and Data Collection

- Investigate systems required for green houses (e.g. spraying/watering systems).
- Analyse the structures and materials of green houses.

Part 2: Design and Make

- Design a green house incorporating environmentally-friendly concepts.
- Design and promote a system/accessory for the green house.
- Prepare a patent application for the innovation.

Project 2: Historical Buildings

Conservation of historical buildings is considered to be one of the important issues in Hong Kong.

Part 1: Research, Investigation and Data Collection

- Investigate the conservation of historical buildings in Hong Kong.
- Explore the possibilities of changing the usage of historical buildings.

Part 2: Design and Make

- Develop ideas on the new use of one selected historical building in Hong Kong.
- Present the features of the selected historical building.
- Suggest ways to improve the conservation of historical buildings.

Project 3: A Holiday Resort on an Artificial Island

New holiday resorts on artificial islands can promote the tourist industry in Hong Kong.

Part 1: Research, Investigation and Data Collection

- Investigate the current development of holiday resorts.
- Explore the possibilities of building artificial islands for holiday resorts.

Part 2: Design and Make

- Develop ideas on the development of holiday resorts on artificial islands in Hong Kong.
- Present the features of one new holiday resort on an artificial island.
- Collect feedback on building artificial islands.

Project 4: A Topic of Your Choice

This topic requires approval of your school teacher.

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.