

Hong Kong Diploma of Secondary Education Examination 2015
DESIGN AND APPLIED TECHNOLOGY
SBA Project – Suggested Titles

Candidates are required to choose ONE project from the following:

Project 1: New Use of Space Under Flyovers

The appropriate use of space under flyovers can generate extra provision of land in Hong Kong.

Part 1: Research, Investigation and Data Collection

- Investigate and explore the possibilities regarding the utilization of space under flyovers in Hong Kong.
- Investigate new technology used in the construction of modular units for buildings.
- Explore the possibilities of building modular units under flyovers in Hong Kong.

Part 2: Design and Make

- Propose new ideas for building modular units under flyovers in Hong Kong.
- Plan and illustrate your new ideas for the modular units.
- Prepare a budget proposal for the cost of building TEN modular units of your design.

Project 2: Display Unit for Mobile Phones

Attractive display units can help in the promotion of mobile phones.

Part 1: Research, Investigation and Data Collection

- Investigate the display units for mobile phones particularly as regards the design of structures and forms.
- Analyse the use of modern materials in relation to display unit design.
- Explore the new trends regarding the design of mobile phones.

Part 2: Design and Make

- Brainstorm ideas on designing display units with special features.
- Illustrate the design of a set of display units for mobile phones.
- Prepare a promotion plan for the display unit.

Project 3: A Boat for Collecting Rubbish inside the Harbour

A special boat is required for collecting rubbish in Hong Kong harbour.

Part 1: Research, Investigation and Data Collection

- Investigate methods of collecting rubbish in the harbour.
- Explore the use of automatic/mechanical devices to reduce the volume of rubbish collected.
- Explore the creative use of shapes and forms for modern boats.

Part 2: Design and Make

- Develop ideas on designing a special boat for collecting rubbish in Hong Kong harbour.
- Illustrate the automatic/mechanical device used to reduce the volume of rubbish collected.
- Illustrate the final design of your boat.