

SCIENCE AND TECHNOLOGY

INTRODUCTION

The assessment of this subject is based on the Science and Technology Curriculum and Assessment Guide (Secondary 4-5) jointly prepared by the Curriculum Development Council and the Hong Kong Examinations and Assessment Authority. Candidates have to refer to the Guide for the specific knowledge, understanding, skills and attitude required. The assessment objectives listed below are based on the overall aims of the subject stipulated in the Guide. There is one written examination and an Independent Study which is a kind of School-based Assessment (SBA).

ASSESSMENT OBJECTIVES

Candidates should be able to

1. show an understanding of the nature of science and technology;
2. explain the interactions between science, technology and society;
3. evaluate the strengths and limitations of science and technology, and the impact of some major scientific discoveries and technological developments;
4. show an understanding of scientific and technological information and issues related to daily life;
5. apply scientific and technological knowledge and skills to explain phenomena, to solve problems and to make suggestions, decisions and judgments about issues affecting the individual, society and the environment;
6. undertake scientific investigations / the design and realization process/ specialized study of a scientific or technological issue/ creative writing through guided study and self-learning;
7. collect, analyze, interpret data and information, and draw conclusions from them;
8. communicate ideas and views on science and technology;
9. show awareness, interest and concern for the applications and developments of science and technology.

In the written examination, candidates will be assessed on three modules, of which 'Nature and Development of Science and Technology' is compulsory. The other two can be chosen from the following five optional modules :

Environmental Science
Health Science
Technological Design
Telecommunications
Visual Communication

The Independent Study is compulsory. Candidates' work on the Independent Study will be assessed by their own subject teacher(s) during the course of study. Moderation of marks between schools is carried out by external assessors. The detailed requirements, regulations, assessment criteria, guidelines and methods of assessment will be issued to participating schools.

MODE OF ASSESSMENT

The following table outlines the various components of the assessment :

Paper	Components of the modules		Descriptions	Weighting	Duration
1	Compulsory	Nature and Development of Science and Technology (NST)	Compulsory short questions/structured questions	20%	2 hours (30 minutes for the Compulsory module and 45 minutes for each Optional module)
	Optional	Any two optional modules : Environmental Science (ES) Health Science (HS) Telecommunications (TC) Technological Design (TD) Visual Communication (VC)	Compulsory short questions/structured questions	60 % (30 % for each module)	
2	Compulsory	Independent Study (IS)	Please refer to the Guide on Independent Study	20%	During the course

REPORTING OF RESULTS

The results of the assessment will be reported in the form of a profile. The names of the optional modules chosen will be indicated on the certificate of results.