

## 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. The assessment of the subject includes one written examination and an Independent Study.

### 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) is compulsory. Candidates are required to carry out a new IS according to the recommended topic list and requirements specified in the 'Guidelines on the Independent Study' and assessed by the HKEAA. Candidates are **not** allowed to use their previous IS results in this year's examination.

#### MODE OF ASSESSMENT

The following table outlines the various components of the assessment :

Paper	Components of the modules		Descriptions	Weighting	Duration
1	<b>Compulsory</b>	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)
	<b>Optional</b>	<b>Any two optional modules :</b> 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	<b>Compulsory</b>	Independent Study (IS)	Please refer to the Guidelines on the Independent Study	20%	---

#### 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.