

## 8. The Curriculum, Instructional Material and Equipment

Curriculum, instructional material and equipment are inter-related components of effective teaching. Therefore, the Ministry of Education has prescribed unified standards/ guidelines for curriculum, instructional material and equipment for all levels of school education. The MOE also compiles, publishes and provides textbooks and teaching materials for elementary and secondary schools. The textbooks and teaching materials, prepared by private companies, will be reviewed by the National Institute for Compilation and Translation before publication.

### 1. Curriculum Standards /Guidelines

Curriculum standards/guidelines follow the goals and policies set by the Ministry of

Education, which in turn, follow governmental guidelines regarding the education of the citizens. These standards/guidelines may be adjusted in order to accommodate the needs of the changing society. The revisions of curriculum standards / guidelines require the advice of specialists and committee study and recommendation.

Currently, curriculum standards have been established for elementary schools and junior high schools while curriculum guidelines have been set up for senior high and senior vocational schools, whose specialized areas include: agriculture, industry, commerce, marine products, medical care technology, nursing, home economics, and opera and the arts. Higher institutions of education have also prescribed course standards. Junior colleges shall set their own curriculum in accordance with the Junior College Law, and



universities and independent colleges shall set their own curriculum in accordance with Article 23 of the Implementation Regulations of the University Law.

## 2. Textbook and Teaching Materials

To tackle the trend of society's diversification and education liberalization, a system for the compilation of textbooks by bookstores, followed by screening and approval by the National Institute for Compilation and Translation (NICT) was established.

Since SY80, the choice of the elementary school textbooks for the arts and technical and activities courses has been opened to all the versions reviewed and approved by the authorities. From the first grade in SY85 on, the general courses have also gradually followed.

The junior high school textbooks currently adopt double systems-unified compilation along with review and approval. Except for those courses for Joint Entrance College Examination (Chinese, English, Mathematics, Physics and Chemistry, History, and Geography) still compiled and edited by NICT, textbooks of the other courses, including activities, arts and technical, have adopted the new system since SY78.

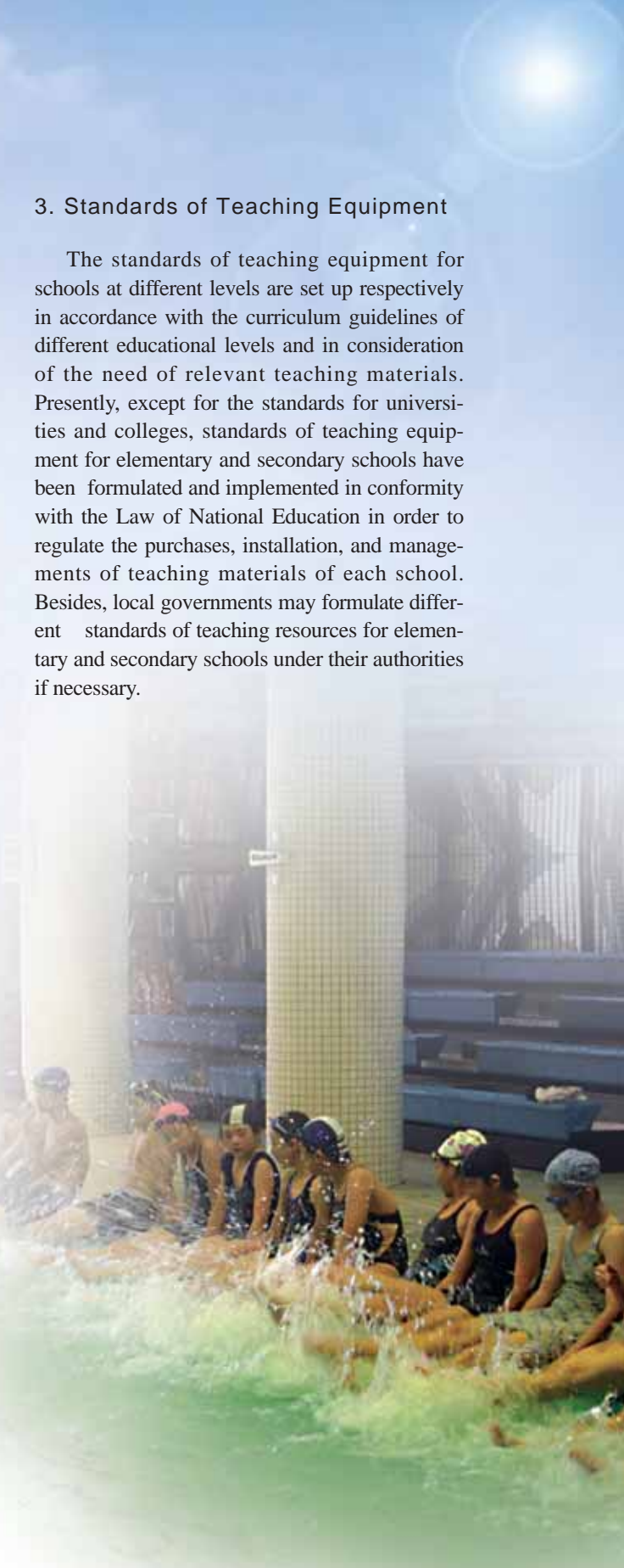
From SY91 on, along with the launch of the Grade 1~9 Integrated Coordinated Curriculum, textbooks in all courses and areas will follow.

Scholars have been contracted to compile and edit all textbooks for the senior high level according to current curriculum standards. These textbooks must be screened and approved by the NICT.

Teaching materials for higher educational institutions are either compiled by the MOE or the NICT. Materials may also be compiled by bookstores or by teachers majoring in specialized fields.

## 3. Standards of Teaching Equipment

The standards of teaching equipment for schools at different levels are set up respectively in accordance with the curriculum guidelines of different educational levels and in consideration of the need of relevant teaching materials. Presently, except for the standards for universities and colleges, standards of teaching equipment for elementary and secondary schools have been formulated and implemented in conformity with the Law of National Education in order to regulate the purchases, installation, and managements of teaching materials of each school. Besides, local governments may formulate different standards of teaching resources for elementary and secondary schools under their authorities if necessary.



## Teaching Subjects and Weekly Teaching Classes in Primary and Junior High Schools (Implementing the 1st to 9th grade curricula alignment)

School		Primary School			Junior High School	
		<i>I, II</i>	<i>III, IV</i>	<i>V, VI</i>	<i>I, II</i>	<i>III</i>
Language	Grade	4-6	5-8	5-8	6-8	6-9
Mathematics		2-3	3-4	3-4	3-4	3-5
Health and Physical Education		2-3	3-4	3-4	3-4	3-5
Life Curriculum		6-9	0	0	0	0
Social Studies		0	3-4	3-4	3-4	3-5
Arts and Humanities		0	3-4	3-4	3-4	3-5
Science and Technology		0	3-4	3-4	3-4	3-5
Integrative Actives		2-3	3-4	3-4	3-4	3-5
Flexible Learning		2-4	3-6	3-6	4-6	3-5
Total Number of Classes		22-24	28-31	30-33	32-34	33-35

**Note :** The School-based Curriculum Development Committee should rationally distribute curriculum according to the following designated percentage each school year before school opens,

1. Among all learning areas, language takes about 20% to 30% of the total number of classes.
2. Each of the six learning areas, i.e. health and physical education, social studies, arts and humanities, natural science & life technology., mathematics, and comprehensive, takes about 10% to 15%.
3. Total number of classes in each learning area for one school year or semester should be calculated according to the above rate; the number of classes for each week should be arranged to meet the demands of teaching.

## Teaching Subjects and Weekly Teaching Classes in Senior High Schools

Grade Semester		1		2		3	
		I	II	I	II	I	II
Chinese		4	4	4	4	4	4
English		4	4	4	4	4	4
Civics				1	1	2	2
Three Principles of the People		2	2				
History		3	2	2	2		
Geography		2	3	2	2		
Mathematics		4	4	4	4		
Natural Science:							
Physics 1		2	(2)	3	3		
Chemistry 1		(2)	4	3	3		
Earth Science 1		2	(2)	2	2		
Biology 1		(2)	2	2	2		
Physical Education		2	2	2	2	2	2
Music		1	1	1	1		
Fine Arts		1	1	1	1		
Industrial Arts		1	1	1	1		
Home Economics		1	1	1	1		
Military Training (Military Training & Nursing for Girls)		2	2	2	2	1	1
Class Meeting		1	1	1	1	1	1
Group Activities		1	1	1	1	1	1
Elective Courses:							
Languages							
Social science							
Mathematics							
Natural Science		0-4	0-4	4-8	4-8	15-20	15-20
Home Economics							
Industrial Arts							
Arts							
Fine Arts							
Occupation Cultivation							
Physical Education							
<b>TOTAL</b>		<b>33-37</b>	<b>33-37</b>	<b>33-37</b>	<b>33-37</b>	<b>30-35</b>	<b>30-35</b>

**Notes:** In the second year of senior high school, natural science is divided into four courses- physics, chemistry, earth science and biology. The student must select one courses for at least two hours of weekly study.



## Teaching Subjects and Weekly Teaching Classes in Senior Commercial Vocational Schools

		Grade 1		Grade 2		Grade 3	
		I	II	I	II	I	II
<b>Basic studies</b>							
Chinese		4	4	4	4		
Chinese Writing						2	2
English		2	2	2	2		
English Conversation						2	2
Mathematics		2	2				
Applied Mathematics				2	2		
Concept of Natural Science		2	2				
Humanity and Environments							2
Three Principles of the People		2	2				
Taiwan History and Geography				2			
World Culture					2		
Introduction to Psychology						2	
Music		2					
Arts			2				
Basic Concept of Computer		2	2				
Laws and Living				2			
Career Planning					2		
<b>Specialized and Practical Course</b>							
Introduction to Commerce		2	2				
Accounting		4	4				
Economics				3	3		
Word and Document Processing				2	2		
Business Management Practice						3	3
Introduction to Civil Code				2	2		
Cost Accounting						3	3
Computer Application						2	
Introduction to Management						2	2
Tax Laws and Regulations						2	
School-set Course (Set by school, referred to the suggested list)		5	7	8	8	9	13
Military Training & Nursing		2	2	2	2	2	2
Physical Education		2	2	2	2	2	2
Class Meeting		1	1	1	1	1	1
Extracurricular Activities		3	3	3	3	3	3
Elasticity Teaching		2	2	2	2	2	2
<b>TOTAL</b>		<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>34</b>	<b>34</b>

