

The background is a collage of various educational scenes in Macao. It includes students in a computer lab, a student playing a guitar, a teacher and students in a classroom, a student in a flower costume, and a group of students smiling. A large green abstract graphic is on the left side.

Curriculum Reform and Development of Macao (Secondary Education)

2017

Introduction of Curriculum Reform

1. Objectives and Direction
2. Details
3. Development of School-based curriculum
4. Supporting measures

1.Objectives and Direction

Ten Year Plan for
the Development of
Non-Tertiary
Education
(2011-2020)

Development
of students

Language competence

Physical and mental quality

moral and civic
competence

Creative thinking

International vision

Art competence

1.Objectives and direction



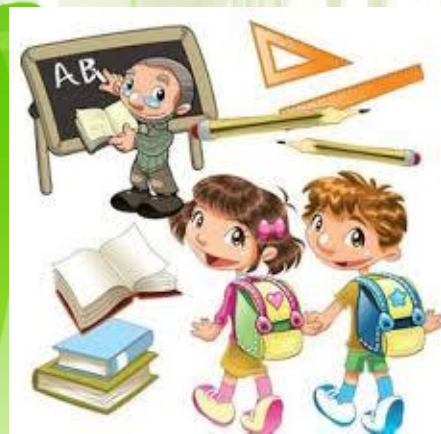
**To reduce
studying burden
and maintain
competitiveness**

**Fully develop students'
characteristics,
potentials and creativity**

1.Objectives and direction



Infant



Primary



Secondary

- Enlightenment
- Avoid fastening the curriculum into primary stage

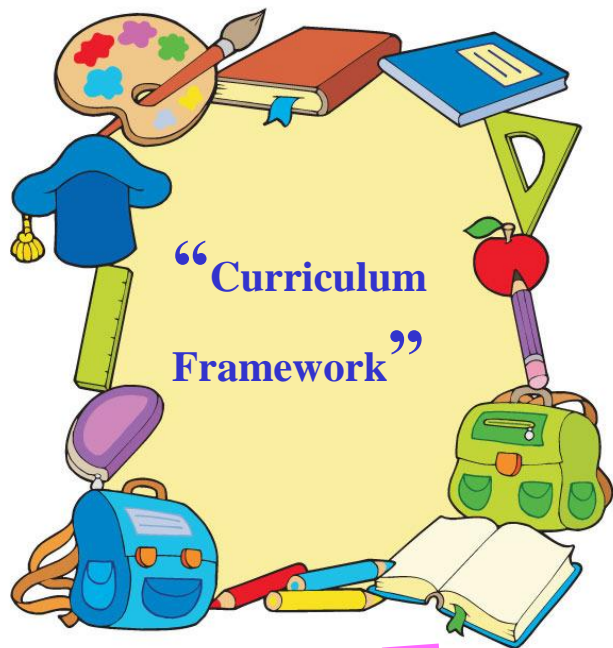
- Foundation
- Successful learning

- Development
- Purpose setting and life planning



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2. Details



To improve the overall curriculum structure of the school (subject, lesson time)



Allow schools pay greater attentions on students' whole person development (content, method)



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Requirements of basic academic attainments

2.Details

In the past

Law no. 11/91/M Macao Education System

Decreto-Lei no.38/94/M,
Decreto-Lei no.39/94/M,
Decreto-Lei no.46/97/M

Curriculum organization for infant,
primary, junior secondary and senior
secondary

Curriculum Outline

(Public schools must adopt it
while private schools may use it as reference.



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Education
reform

Curriculum
Reform

Current practice

Law No. 9/2006- “The Fundamental
Law of Non-tertiary Education”

Macao SAR Government Administrative
Regulation 15/2014
“Curriculum Framework for Formal
Education of Local Education System”

Macao SAR Government
Administrative
Regulation 10/2015
“The Requirements of Basic Academic
Attainments for Formal Education of
Local Education System”

Approved by the Secretary

Infant

Primary

Junior Secondary

Senior Secondary



2.Details

Curriculum Framework

- Curriculum development guideline
- Learning area and subjects setting
- Educational activities time setting

The Requirements of Basic Academic Attainments

- The basic requirements for students' competence
- To guide the objectives of various educational stages and subjects

- ✓ Teaching materials
- ✓ progress
- ✓ content
- ✓ method

plan

plan

School-based Curriculum



□ Implementation of the “Framework” and the “BAA”

Educational level		14/15	15/16	16/17	17/18	18/19	19/20
Infant	K1-3	Starting from 15/16					
Primary	P1-3	Starting from 16/17					
	P4-6	Starting from 17/18					
Junior Secondary	F1	Starting from 17/18					
	F2	Starting from 18/19					
	F3	Starting from 19/20					
Senior Secondary	S1	Starting from 17/18					
	S2	Starting from 18/19					
	S3	Starting from 19/20					

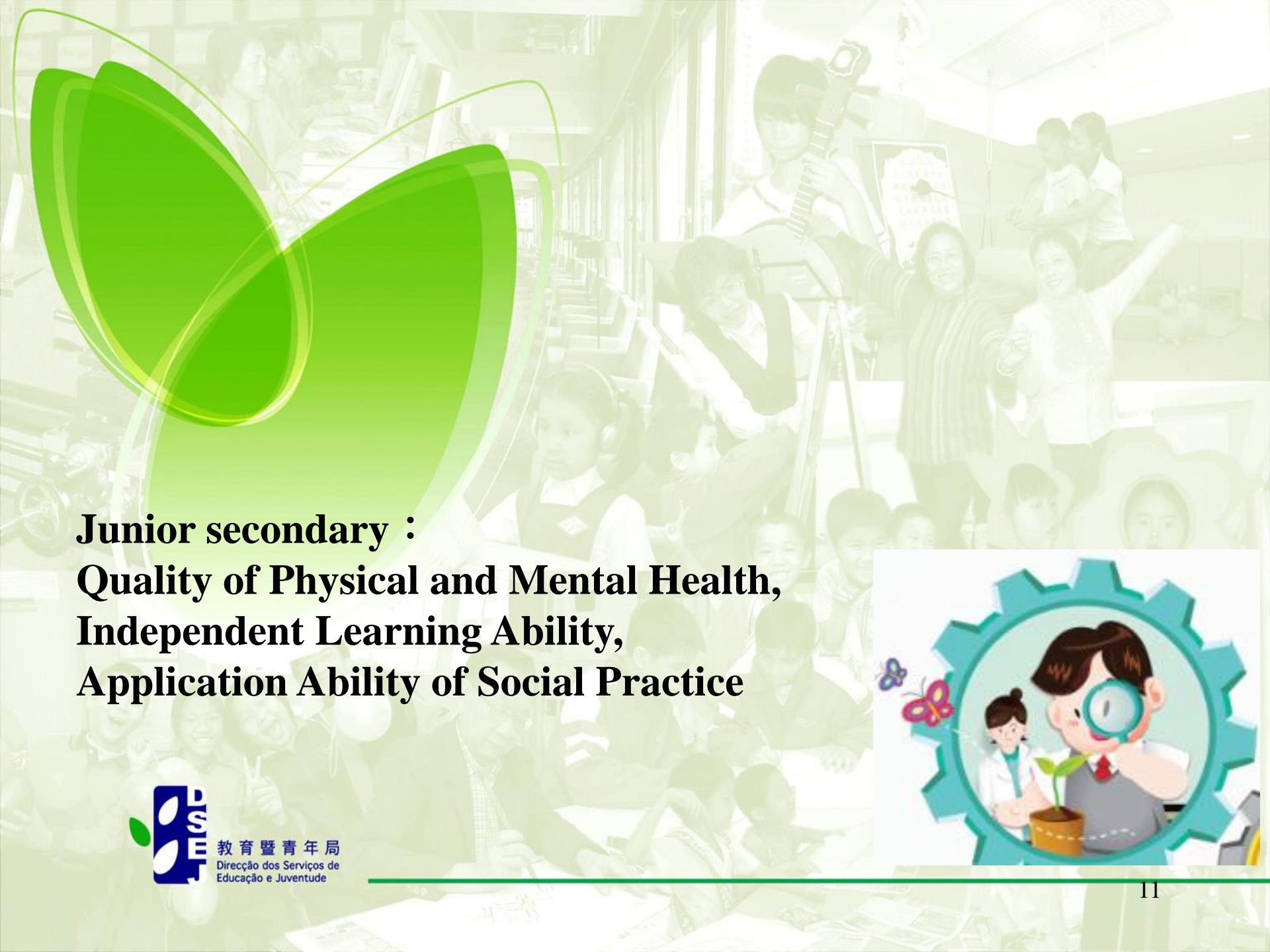
Note: “195 school days” should be implemented in all the educational stages from the school year 2014/2015 onwards.



2.1 “Curriculum Framework”

- ❖ **To arrange the time of educational and teaching scientifically**
 - 195 school days
 - To reduce the weekly lesson time
- ❖ **To provide a comprehensive, balanced and diverse curriculum**
 - To set up learning area
 - Leisure activities
 - To have both science and arts subjects in senior secondary
 - To strengthen civic, sports and art education
- ❖ **To give schools enough flexibility**
 - School-based development for teaching and learning progress and content
 - Integrated subjects/ individual subjects/elective courses



The background is a collage of various school activities. On the left, there are large, overlapping green leaf-like shapes. The main background shows students in classrooms, a student playing a guitar, a student at a computer, and a group of students celebrating. In the bottom right corner, there is an inset illustration of a boy with a magnifying glass looking at a small plant in a pot, with a girl and butterflies nearby, all enclosed in a blue gear shape.

**Junior secondary :
Quality of Physical and Mental Health,
Independent Learning Ability,
Application Ability of Social Practice**

Curriculum plan for junior secondary education

Type of educational activities			Junior secondary 1 to 3 (Form 1 to Form 3)			
Teaching activities	Learning area	Subject	Time of teaching activities of each subject of junior secondary education (minute)	Time of teaching activities per week (minute)	Total time of teaching activities of junior secondary education (minute)	
	Language and Literature	First Language (Medium of instruction)	20600 - 37080	1120 to 1600	115360 to 164800	<p>The time of teaching activities does not include the time of examination at the end of each term/ semester.</p> <p>The minimum time of each lesson is 35 minutes and the maximum is 45 minutes.</p> <p>The time of the teaching activities for Physical Education and Health per week should be no less than 70 minutes.</p> <p>For Social and Humanities Education, Natural Sciences and Arts, a single integrated subject or separate subjects can be set up.</p> <p>Other subjects can be compulsory or elective, but they must not be any identical subject listed in the table.</p>
		Second Language	20600 - 37080			
	Mathematics	Mathematics	20600 - 28840			
	Personal, Social and Humanities Education	Moral and Civic Education	No less than 8240			
		Social and Humanities Education	No less than 12360			
	Science and Scientific Technology	Natural Sciences	No less than 12360			
		Information Technology	No less than 4120			
	Physical Education and Health	Physical education and Health	No less than 8240			
	Arts	Arts	No less than 8240			
Other subjects		0 – 49440				
Leisure activities			No less than 7040 minutes for junior secondary education			
Other educational activities			Educational activities apart from teaching activities and leisure activities			

Note: If the first language is Chinese, it must include Putonghua. If the second language is Chinese, it can include Putonghua.

Junior secondary 1 to 3

Junior secondary 1 to 3					
Teaching activities	Learning area	Subject	Time of teaching activities of each subject of junior secondary education	Time of teaching activities per week	Maximum and minimum limits of the total time of education activities of junior secondary education
	Language and Literature	First Language (Medium of instruction)	5-9 lessons per week on average	Equivalent to 28 - 40 lessons per week	<p>The total teaching time of the 3 school years of junior secondary education is counted as 103 weeks. (There are 35 weeks for the first and second year, and there are 33 weeks for the third year, not including the examination time at the end of each semester or term.)</p> <p>For junior secondary 1 and 2 (Form 1 and 2), there are 39 weeks in each school year. (Schools have full autonomy in deciding the number of teaching weeks of each school year on condition that they follow the regulation of 195 school days.) Junior secondary 3 (Form 3) can be exempt from the regulation of 195 days on condition that the requirements of the time of teaching activities and leisure activities of junior secondary education are met.</p>
		Second Language	5-9 lessons per week on average		
	Mathematics	Mathematics	5-7 lessons per week on average		
	Personal, Social and Humanities Education	Moral and Civic Education	At least 2 lessons per week on average		
		Social and Humanities Education	At least 3 lessons per week on average		
	Science and Scientific Technology	Natural Sciences	At least 3 lessons per week on average		
		Information Technology	At least 1 lesson per week on average		
	Physical Education and Health	Physical Education and Health	At least 2 lessons per week on average		
	Arts	Arts	At least 2 lessons per week on average		
Other subjects		0-12 lessons per week on average			
Leisure activities			At least 2 lessons per week on average (On the basis that there are 30 weeks for each grade level of the first and second year, and there are 28 weeks for the third year)		
Other educational activities			Educational activities apart from teaching activities and leisure activities		

Junior Secondary : Ambition, Life Planning, Civil awareness and ability



Curriculum plan for senior secondary education

Type of educational activities			Senior secondary 1 to 3 (Form 4 to Form 6)			
Learning area		Subject	Time of teaching activities of each subject of senior secondary education (minute)	Time of teaching activities per week (minute)	Total time of teaching activities of senior secondary education (minute)	
Teaching activities	Compulsory	Language and Literature	First Language (Medium of instruction)	18600 - 26040	1200 to 1720	111600 to 159960
			Second Language	18600 - 26040		
		Mathematics	Mathematics	14880 - 26040		
		Personal, Social and Humanities Education	Moral and Civic Education	No less than 3720		
			Social and Humanities Education	No less than 5600		
		Science and Scientific Technology	Natural Sciences	No less than 5600		
			Information Technology	No less than 3720		
		Physical Education and Health	Physical education and Health	No less than 7440		
		Arts	Arts	No less than 5600		
		Other subjects		0 – 48360		
Elective	Subjects in the area of Language, Social and Humanities Education and Economics Subjects in the area of Mathematics and Natural Sciences Subjects in the area of Physical Education and Arts Skill-oriented subjects		No less than 27840			
Leisure activities			No less than 6240 minutes for senior secondary education			
Other educational activities			Educational activities apart from teaching activities and leisure activities			

The time of teaching activities does not include the time of examination at the end of each term/semester.

The minimum time of each lesson is 35 minutes and the maximum is 45 minutes.

The time of the teaching activities for Physical Education and Health per week should be no less than 70 minutes.

Other subjects refer to one or more subjects that are not listed in the table. They must not be any identical subject listed in the table.

For Social and Humanities Education, Natural Sciences and Arts, a single integrated subject or separate subjects can be set up.

Note: If the first language is Chinese, it must include Putonghua. If the second language is Chinese, it can include Putonghua.

Curriculum plan for senior secondary education

Senior secondary 1 to 3

Learning area		Subject	Time of teaching activities of the subject of senior secondary education	Time of teaching activities per week	Maximum and minimum limits of the total time of education activities of senior secondary education
Teaching activities Compulsory	Language and Literature	First Language (Medium of instruction)	5-7 lessons per week on average	Equivalent to 30-43 lessons /week	The total teaching time of the 3 school years of senior secondary education is counted as 93 weeks. (There are 35 weeks for senior secondary 1 and 2 (Form 4 an 5), and there are 23 weeks for senior secondary 3 (Form 6), not including the examination time at the end of each semester or term.) There are 39 weeks in each school year for senior secondary 1 and 2 (Form 4 and 5) (Schools have full autonomy in deciding the number of teaching weeks of each school year on condition that they follow the regulation of 195 school days). Senior secondary 3 can be exempt from the regulation of 195 school days on condition that the requirements of the time of teaching activities and leisure activities of senior secondary education are met.
		Second Language	5-7 lessons per week on average		
	Mathematics	Mathematics	4-7 lessons per week on average		
	Personal, Social and Humanities Education	Moral and Civic Education	At least 1 lesson per week on average		
		Social and Humanities Education	At least 1.5 lessons per week on average		
	Science and Scientific Technology	Natural Sciences	At least 1.5 lessons per week on average		
		Information Technology	At least 1 lesson per week on average		
	Physical Education and Health	Physical Education and Health	At least 2 lessons per week on average		
	Arts	Arts	At least 1.5 lessons per week on average		
	Other subjects		0-13 lessons per week on average		
Elective	Subjects in the area of Language, Social and Humanities Education and Economics Subjects in the area of Mathematics and Natural Sciences Subjects in the area of Physical Education and Arts Skill-oriented subjects		At least 7.5 lessons per week on average		
Leisure activities			At least 2 lessons per week on average (On the basis that there are 30 weeks for each grade level of the first and second year (Form 4 and 5), and there are 18 weeks for the third year (Form 6).		
Other educational activities			Educational activities apart from teaching activities and leisure activities		

❖ Time for physical exercise:

Primary to Secondary: Each student performs at least 150 minutes of physical exercises per week, except during the term/ final exam week.

Including:

- PE lessons (at least 70 minutes per week)
- Morning/between-classes exercises
- Sports games
- Eye exercises
- Sports as leisure activities

.....



❖ Break Time

Recess or short break must be arranged between classes

1 st Class
2 nd Class
3 rd Class



1 st Class
Break
2 nd Class
Break
3 rd Class



1 st Class
Exercise between classes and break
2 nd Class
Exercise between classes and break
3 rd Class



Leisure activities

❖ **Targets:**

- Secondary students: Compulsory and meet certain percentage of attendance as regulated

❖ **Organizer:**

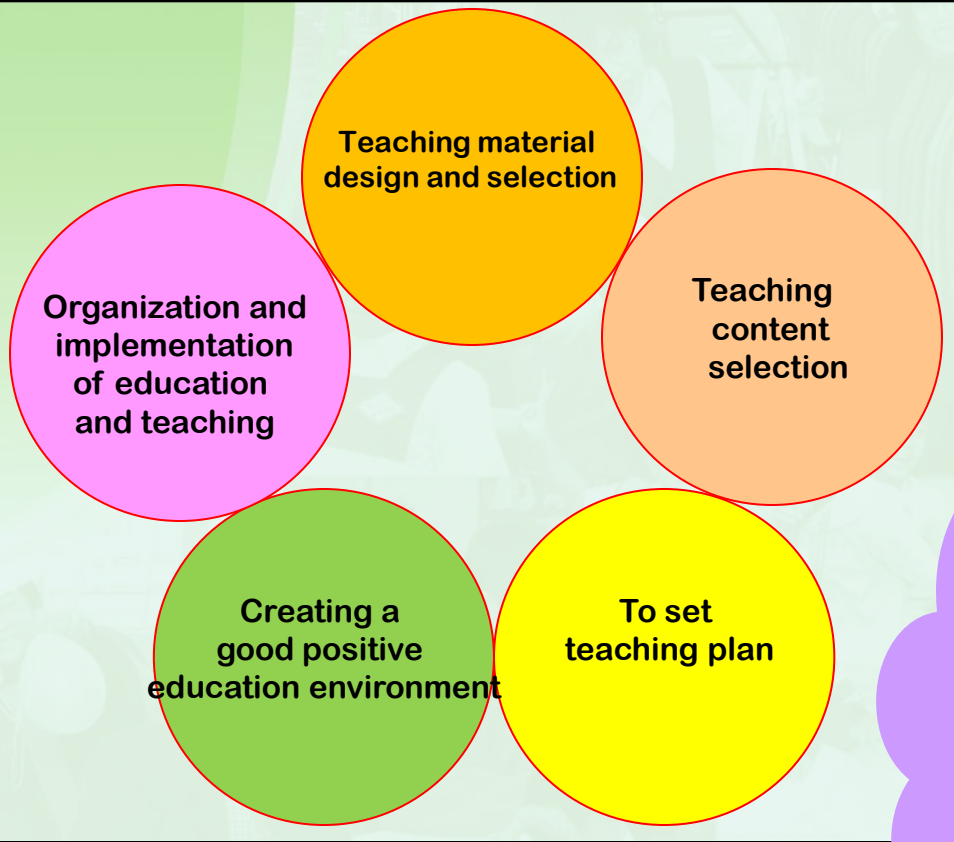
- Schools
- Collaboration between schools and other associations

❖ **Requirements:**

- As diverse as possible;
- Students are free to choose;
- Must be set within the annual curriculum plan defining their objectives, planning and evaluation criteria, and students' attendance has to be recorded clearly;
- Such evaluation can not be used as base to promote/ retain students.

2.2 “The Requirements of Basic Academic Attainments”

School



- Upon infant/primary/junior secondary/senior secondary graduation:
 - What kinds of knowledge have been acquired?
 - What kinds of abilities have been acquired?
 - What kinds of characters have been formed?



➤ Further understanding Basic Academic Attainments

“Basic” academic attainments (BAA) refer to the most fundamental, but not the highest as well as the most essential competencies that the students should acquire;

“The Requirements of Basic Academic Attainments ”include the criteria such as “knowledge” and “skill”. It also includes “ability”, “emotion”, “attitude” and “values”, which refer as the students’ overall competences.



Design of “BAA”

Compulsory Subjects according to the “Framework”

Subjects
First Language (Medium of instruction)
Second Language
Mathematics
Moral and Civic Education
Social & Humanities
Natural Science
Information Technology
Physical Education and Health
Arts (Include: Visual Arts, Music)

1st and 2nd Languages
Chinese/Portuguese/English

BAA documents of each subject:
Including :

1.Rationales

2.Curriculum goals

3.BAA in various domains

What needs to be done to implement BAA?

What part of original curriculum has already covered which part of BAA?

Not Covered yet

Adding on

What educational level?

Adding what's missing within the planned curriculum?
New theme?
Through other kind of activity?

What actual program/ activity is needed?
Teaching method?

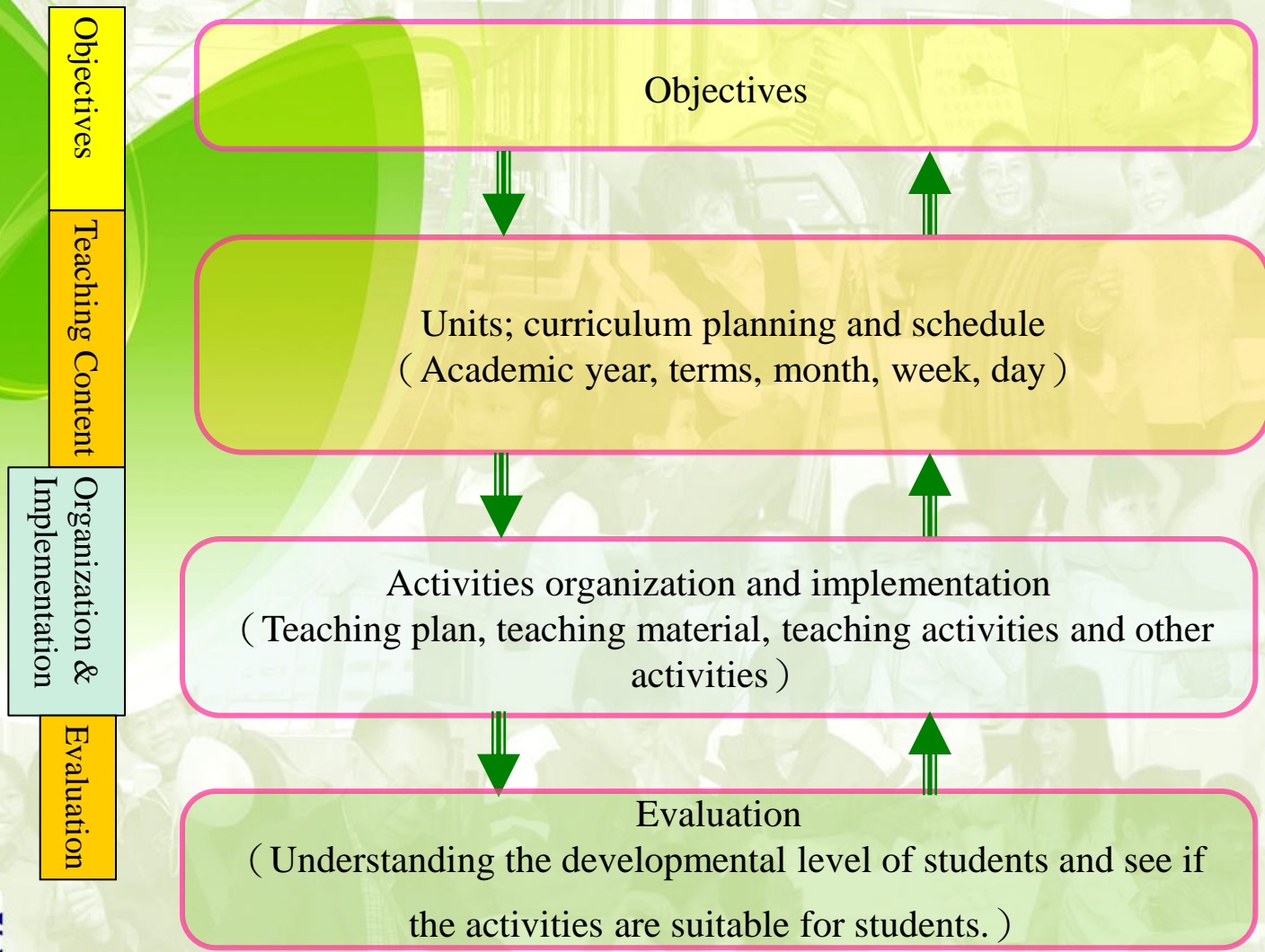
Included

Optimizing
(Teaching plan, teaching methods)



Check

The implementation of BAA



4. Supporting Measures



Seminars

Teacher Training





Thank you !



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