

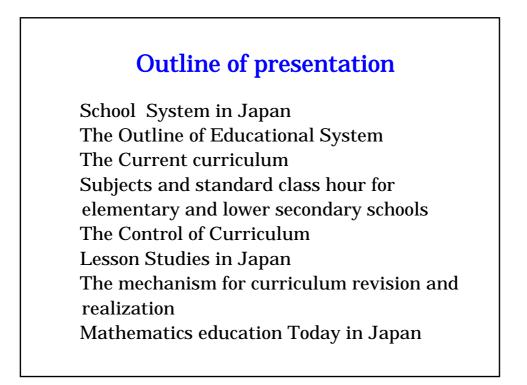
Center for Research on International Cooperation in Educational Development , University of Tsukuba

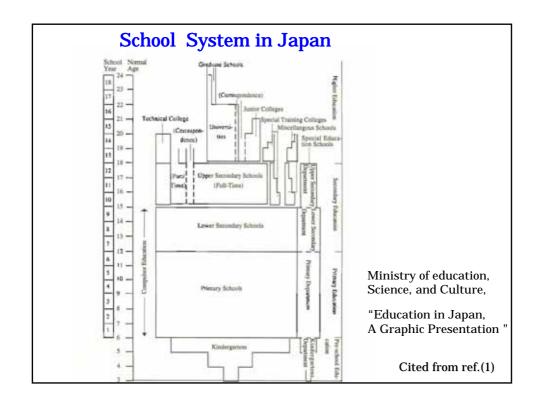
November 29th, 2004

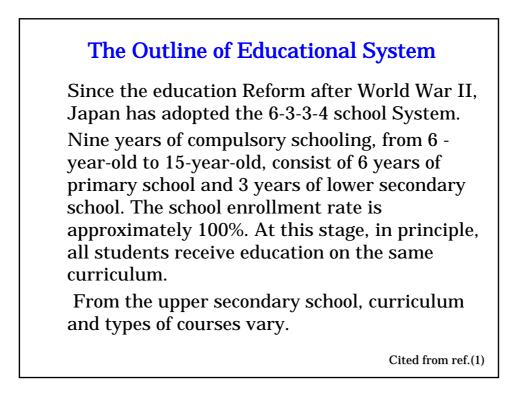
International educational cooperation symposium Problematic and Perspective of international cooperation in mathematics education

## The system, trend and task of mathematics education in Japan

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The upper secondary schools are classified as general, comprehensive, and specialized vocational courses according to the curriculum.

Specialized vocational courses are classified into commerce, industry, agriculture, fishery, English, science and mathematics.

The schools are classified as full time, part time, and correspondence courses.

There are technical colleges which provide both the upper secondary education and higher education for five years.

As for institutions of higher education, there are universities, junior colleges, technical colleges and higher institutes established by Ministries other than Ministry of Education, Science and Culture.

Cited from ref.(1)

## The Current Curriculums:

Aims and characteristics of the new Courses of studies

## Aim

On the basis of the complete implementation of 5day school week, each school should develop a "distinctive from of education" within a framework that allows "room to grow", and while ensuring through acquisition by children of the basic learning content set out in the Course of Study and think independently.

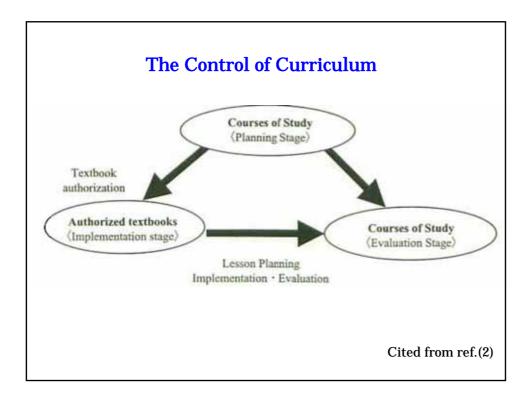
## Characteristics

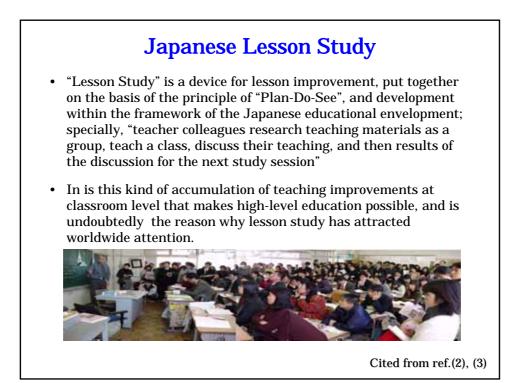
·Classification that the Course of Study represent minimum required content.

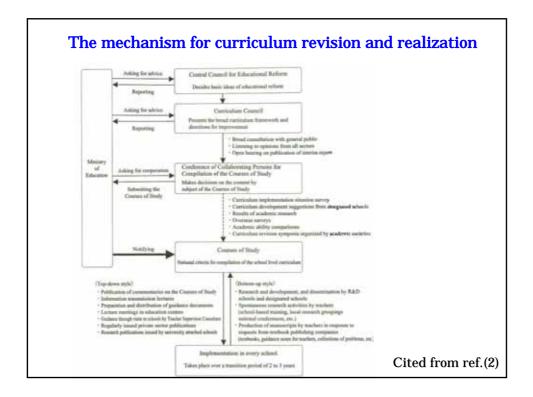
- ·Strengthening of individually oriented teaching.
- ·Creation of an "Integrated Study teaching"
- $^{\rm t} {\rm Expansion}$  of the framework allowing autonomous editing of the  $\mbox{ curriculum}$  by school
- $^{\rm r} {\rm Reduction}$  in class teaching hours and strict selection of educational content
- ·Emphasis on experiential, problem solving learning activities.
- ·Expansion of elective studies
- ·Strengthening of evaluation (norm referencing criterion referencing)

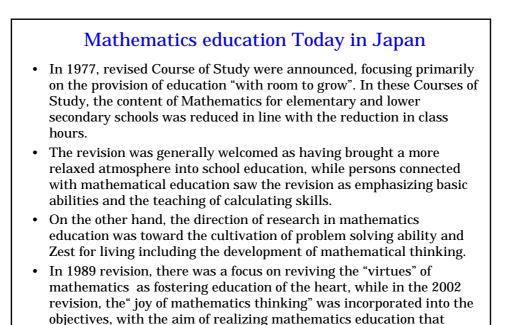
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|            |                 | Class hours for each subject |                     |                              |         |                           |                                      |                      |                   |                             |                       |                                | Integrated                             | Total                          |
|------------|-----------------|------------------------------|---------------------|------------------------------|---------|---------------------------|--------------------------------------|----------------------|-------------------|-----------------------------|-----------------------|--------------------------------|--|--------------------------------|
| Grade List |                 | Japanese                     | Social<br>Studies   | Mathe                        | Science | Life<br>Eivent<br>Studies | Music                                | Drawing<br>and Craft | Home-<br>making   | Physical<br>Education       | Moral<br>Education    | Special<br>Activities          | Study                                  | class                          |
| Grade 1    |                 | 272                          | 1.00                | 114                          | -       | 102                       | 68                                   | 68                   | -                 | 90                          | 34                    | 34                             | -                                      | 782                            |
| Grade 2    |                 | 280                          | -                   | 155                          | -       | 105                       | -70                                  | 70                   | -                 | 90                          | 35                    | 35                             | -                                      | 840                            |
| Grade 3    |                 | 235                          | 70                  | 150                          | 70      | -                         | 60                                   | 60                   | -                 | 90                          | 35                    | 35                             | .105                                   | 910                            |
| Grade 4    |                 | 235                          | 85                  | 150                          | 90      | -                         | 60                                   | 60                   | -                 | 90                          | 35                    | 35                             | 105                                    | 945                            |
| Grad       | le 5            | 180                          | 90                  | 150                          | .95     | -                         | .50                                  | 50                   | 60                | 90                          | 35                    | 35                             | 110                                    | 945                            |
| Grade 6    |                 |                              |                     |                              |         |                           |                                      |                      |                   |                             | 100                   | -                              |  |                                |
|            | * <del>11</del> | ects :                       | and s               | stand                        | ard o   | lass                      | hour                                 | 50<br>for lo         | ower              | 90<br>Secol                 | 35<br>ndary           | / sch                          | ools                                   | 945                            |
|            | * <del>11</del> |                              | and s               | stand                        |         | lass                      | hour                                 |                      |                   |                             |                       | / sch                          | ools                                   |                                |
|            | * <del>11</del> |                              | and s               | stand                        | ard c   | lass                      | hour<br>et<br>Bealth and<br>Physical | for l                |                   | Secoi                       | ndary                 |                                |  | 945<br>Total<br>class<br>hours |
| Grade      | Subj            | ects :                       | and s               | stand                        | ard c   | : <b>lass</b><br>ch subje | hour<br>et<br>Bealth and<br>Physical | for le               | ower<br>Foreign   | Secoi                       | ndary                 | ilour<br>range for             | ools                                   | Total                          |
| Grade      | Subj            | Social<br>Studies            | and s<br>C<br>Maths | stand<br>lass hou<br>Science | ard o   | ch subje<br>Arts          | hour<br>ect<br>Physical<br>Education | for le               | Foreign<br>Langs. | Secol<br>Meral<br>Education | special<br>Activities | Hour<br>range for<br>electives | Dools<br>Integrated<br>Study<br>Period | Total<br>class<br>hours        |









enabled children to "study for themselves and think for themselves"

Cited from ref.(2)

