

# EDUCATIONAL SYSTEM & INFORMATION STUDY IN JAPAN

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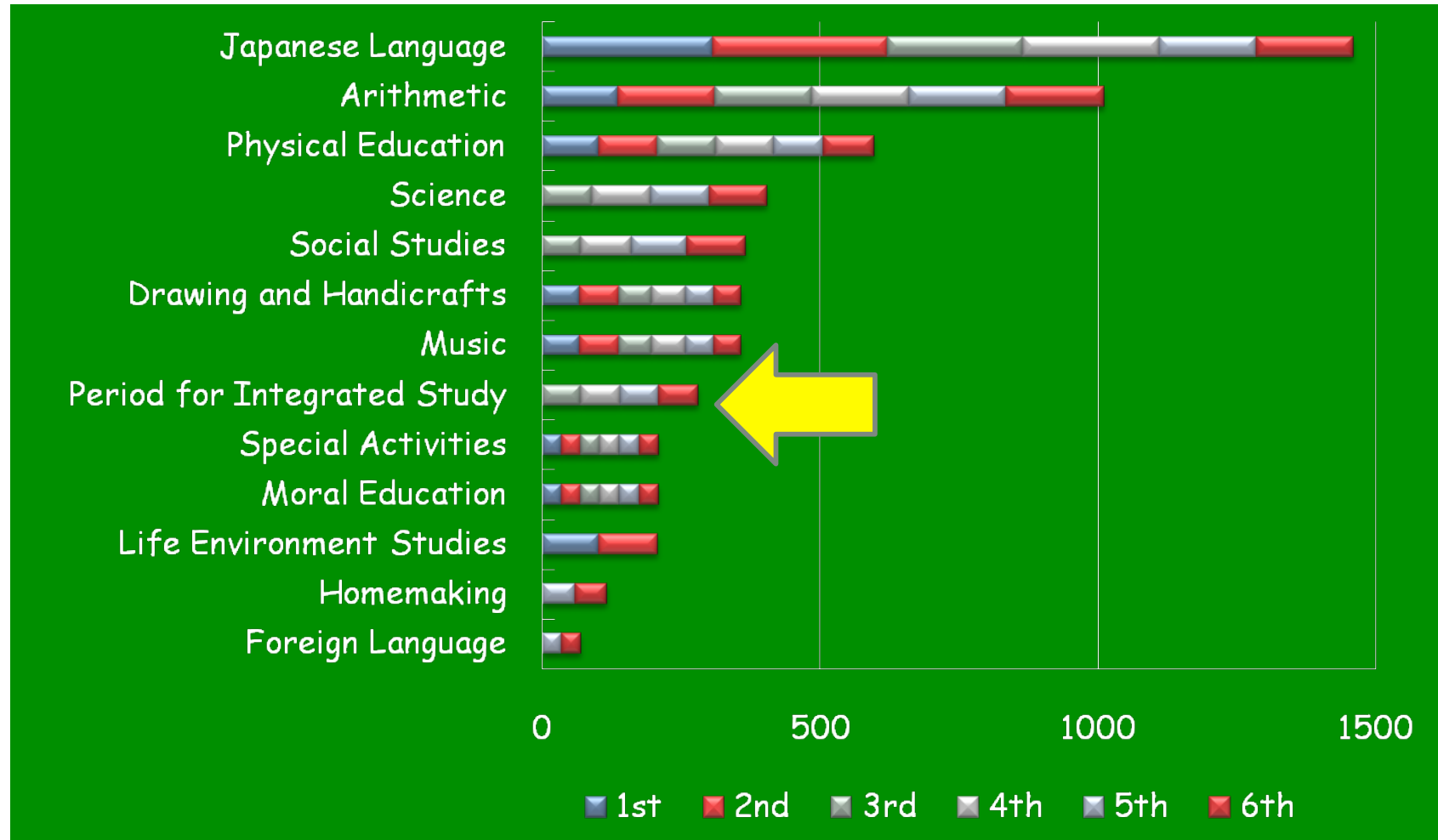
# Educational System

age	school	grade
22-	Graduate School	
18-21	University/College	1-4
15-17	Senior High School	1-3
12-14	Junior High School	1-3
6-11	Elementary School	1-6
-5	Kindergarten	

# Elementary School

- Japanese Language
- Arithmetic
- Social Studies
- Science
- Life Environment Studies
- Music
- Drawing and Handicrafts
- Homemaking
- Physical Education
- Moral Education
- (Foreign Language)
- Period for Integrated Study
- Special Activities

# Class hours of each subject for 6 years



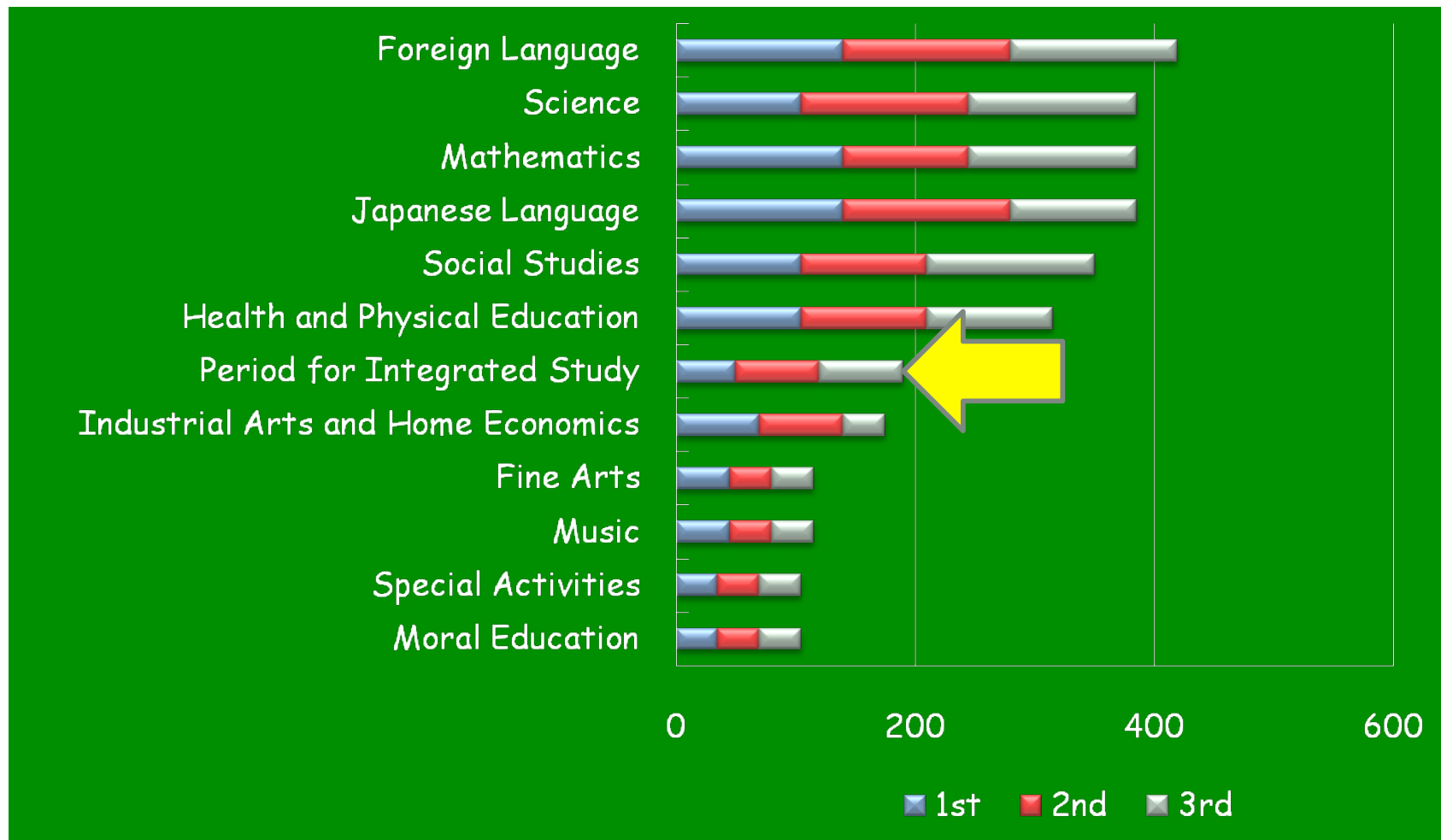
# Integrated Study

- 5% of total hours in ES
  - Information study is just a part of it
- Interdisciplinary and Comprehensive Studies such as
  - International Understanding
  - Information
  - Environment
  - Welfare and Health
  - etc.

## Junior High School

- Japanese Language
- Social Studies
- Mathematics
- Science
- Music
- Fine Arts
- Health and Physical Education
- Industrial Arts and Home Economics
- Foreign Language
- Moral Education
- Period for Integrated Study
- Special Activities

# Class time of JHS



## Industrial Arts and Home Economics

- Industrial Arts

1. Material and processing
2. Energy transduction
3. Living thing promotion
4. Information

- Home Economics

1. Family, home, and the children's growth
2. Eating habits
3. Clothes life and housing life
4. Consumption life and environment



# Information Section

1. Information Communication Network and Information Ethics
  2. Design and Creation of Digital Contents
  3. Measure and Control by Computer Program
- Total hours in 3 years of JHS: 3045
  - Industrial Art & Home Economics: 175
  - Information section: 22
  - 0.7% of total class time in JHS

Compulsory  
Contents

## Senior High School

- Japanese Language
- Geography and History
- Civics
- Mathematics
- Science
- Health and Physical Education
- Arts
- Foreign Language
- Homemaking
- Information Study
- Period for Integrated Study
- Special Activities

Information Study in one of compulsory subjects

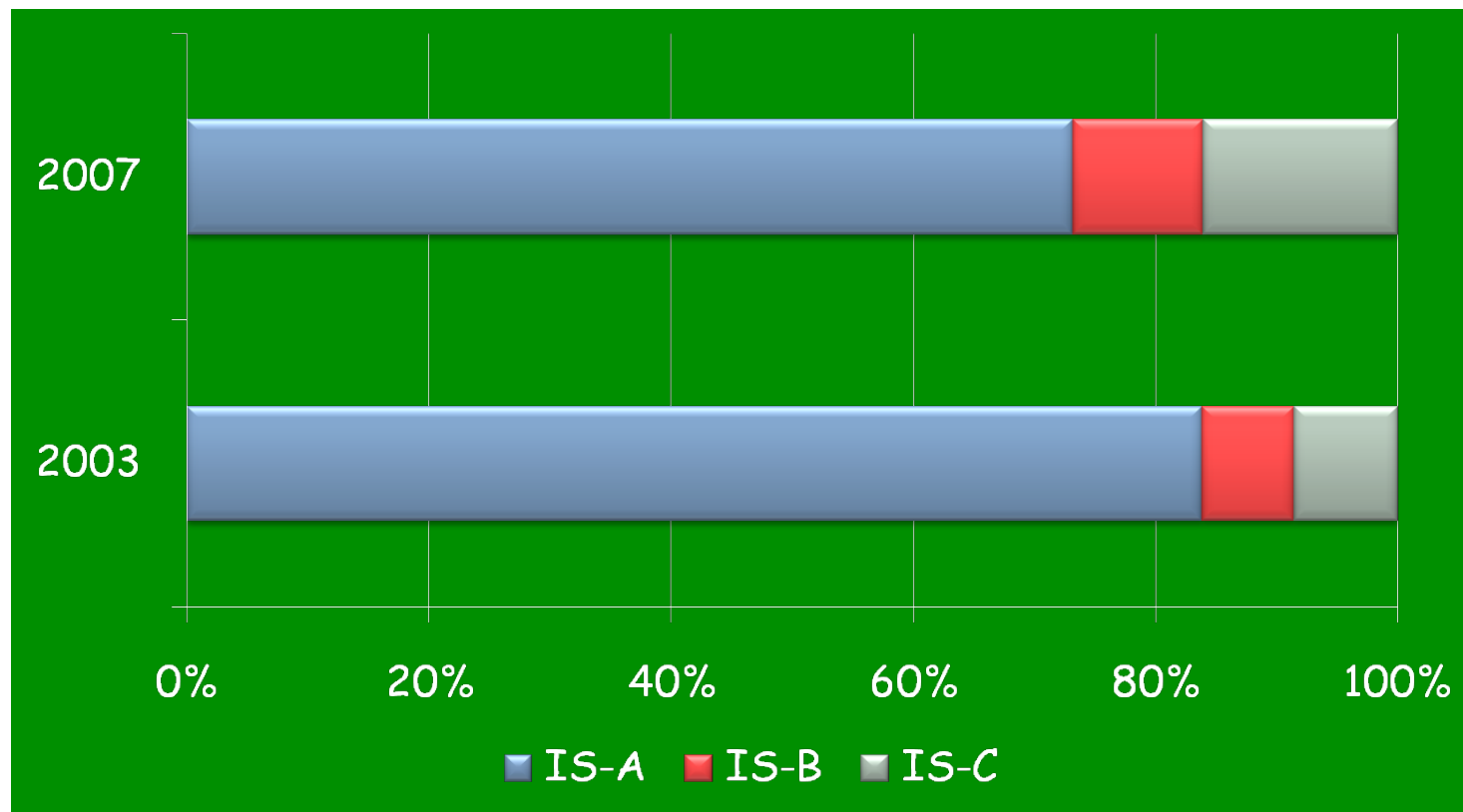
# Information Study in SHS

- Added to SHS's subjects in 2003
- Just only **2 units** of 74-90 total units
- 3 Learning Cores
  1. Practical Use of Computers  
(to make the best use of information)
  2. Scientific Understanding of Information  
(CS and its surroundings)
  3. Model Attitudes of Participation in our Information Society

# Three subjects for Information Study

- Information Study A (IS-A)
  - Practical Use of Computers
- Information Study B (IS-B)
  - Scientific Understanding of Information
- Information Study C (IS-B)
  - Model Attitudes of Participation in our Information Society
  
- Each of them
  - consists of 3 cores
  - has a different central content
  
- Each school chooses A, B, or C

## Share of IS-A/B/C



A: Practical Use of Computers

B: Scientific Understanding of Information (CS)

C: Model Attitudes of Participation in our Information Society

# Conclusion

## (Educational System & Information Study in Japan)

- New curriculum of Information Study in SHS (2013)
  - ~~Practical Use of Computers~~
  - Society and Information
  - Science of Information
- Japan Keeps same educational system over 60 years
- Information Study is depreciated in Japan
  - Realize the importance of Information Study
  - Computer Science Education and Programming Education should be placed emphasis

# Reference

- Original Slide: [http://nakano.ac/current\\_status.pdf](http://nakano.ac/current_status.pdf)
- Subject 'Information Study' in next Course of Study for SH (Nakano): [http://nakano.ac/next\\_CoS.pdf](http://nakano.ac/next_CoS.pdf)
  - Improvement of Academic Abilities (Courses of Study) by MEXT: <http://www.mext.go.jp/english/elsec/1303755.htm>
  - 2008 White Paper on Education, Culture, Sports, Science and Technology: [http://www.mext.go.jp/b\\_menu/hakusho/html/hpab200801/1292564.htm](http://www.mext.go.jp/b_menu/hakusho/html/hpab200801/1292564.htm)
- The National Center for University Entrance Exams (大学入試センター, Daigaku Nyushi Center, DNC)  
Programming language for Exams <http://www.dnc.ac.jp/modules/file/index.php?page=visit&cid=6&lid=823>
- JC for IOI: <http://www.ioi-jp.org/index-e.html>