

Moral Education Enhanced by New Media in IT Courses

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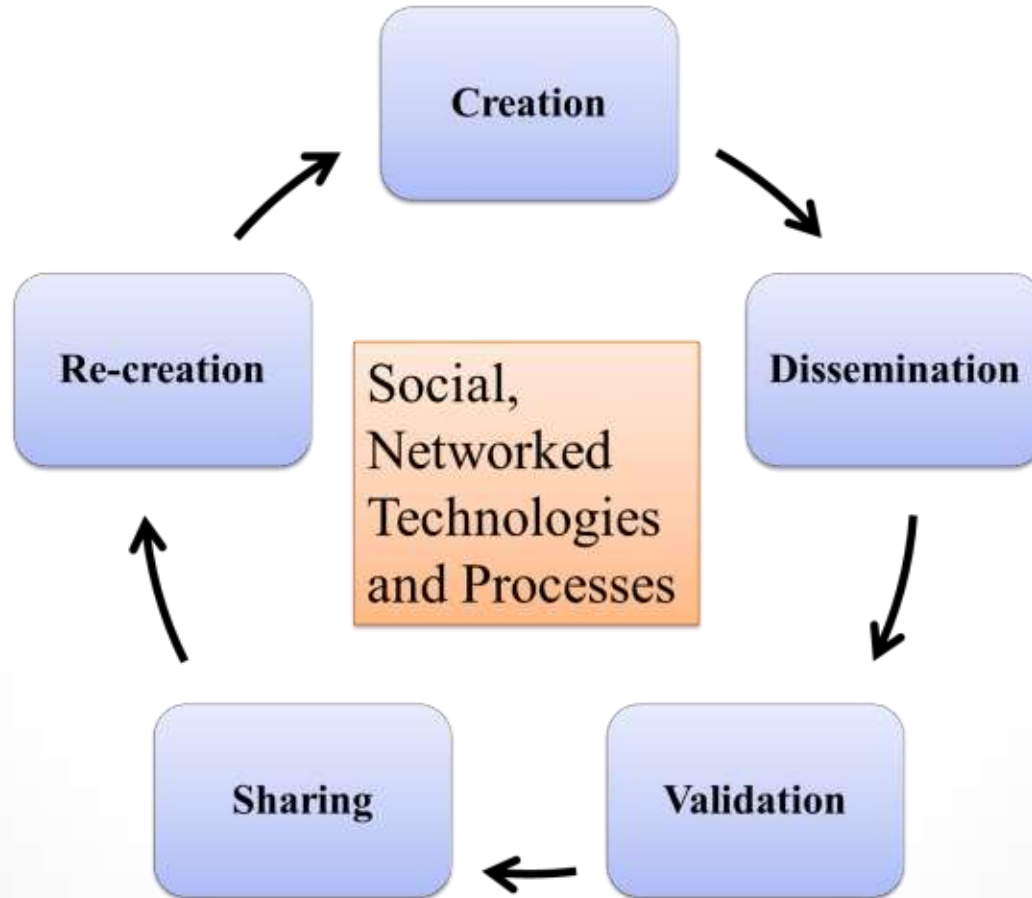
Tokyo Gakugei University Japan

The Experimental High School

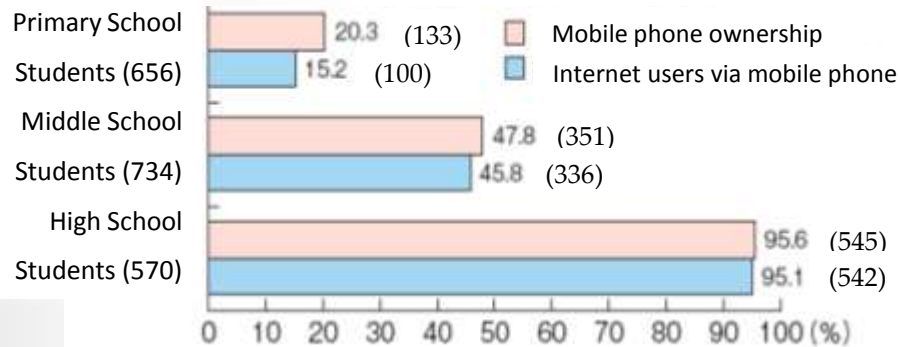
Attached to Beijing Normal University China

Background

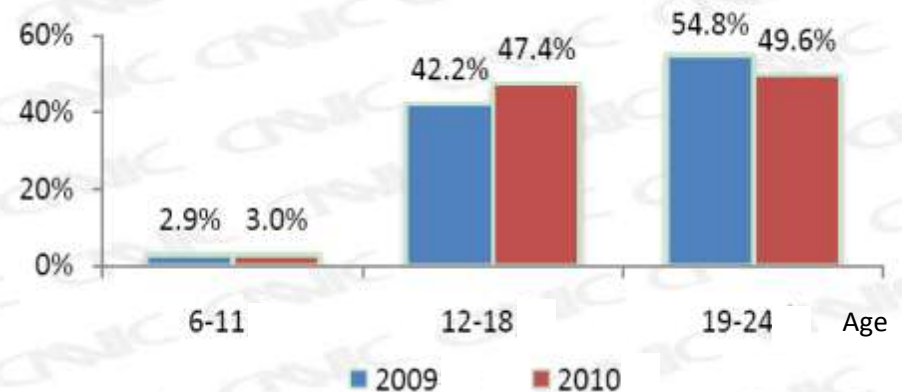
The traditional information cycle is changing.



The rates of youth mobile phone ownership Internet users is increasing



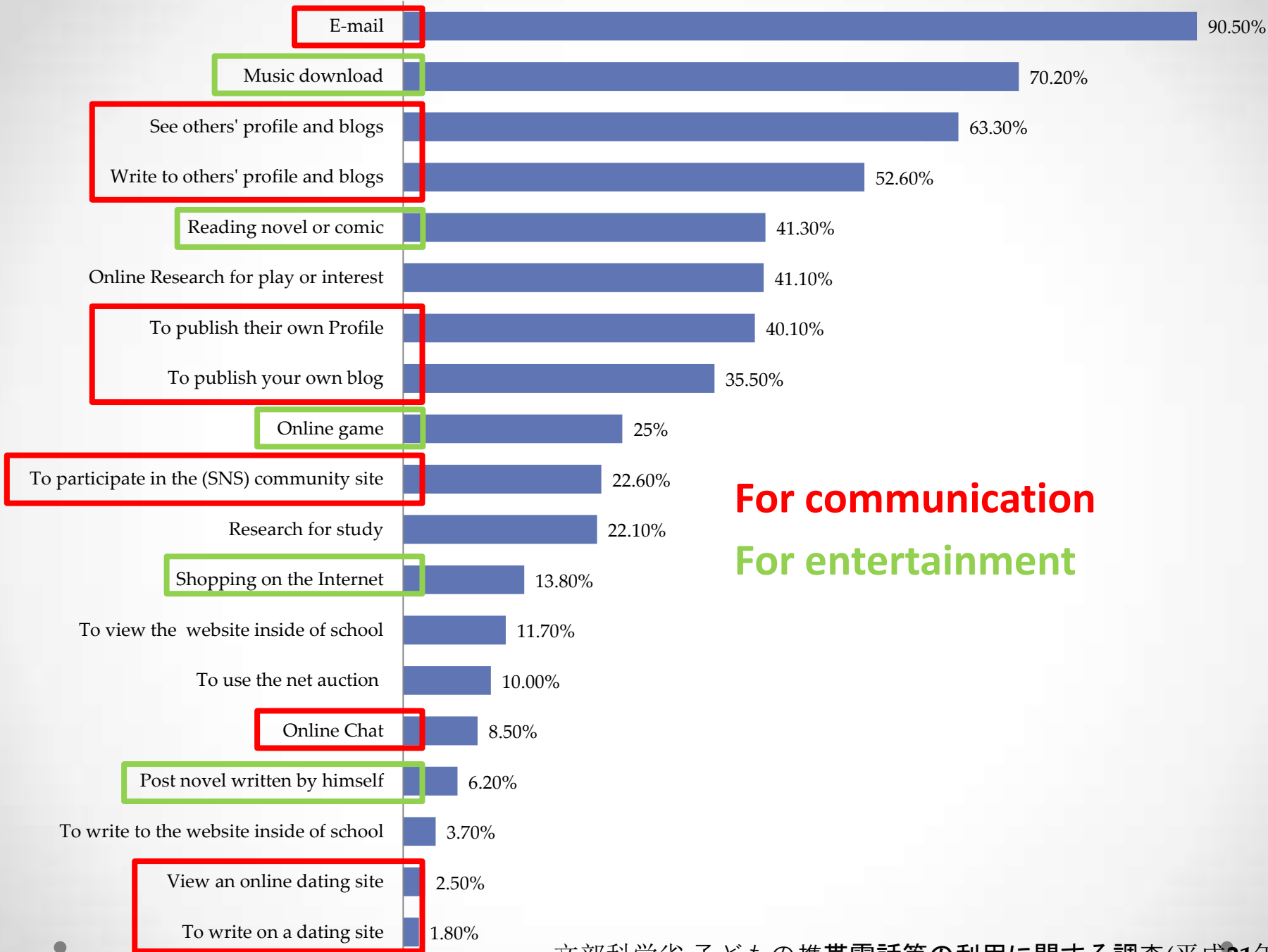
Japan



China

内閣府「平成23年度青少年のインターネット利用環境実態調査」

CNNIC. The survey of Chinese youth online behavior 2010

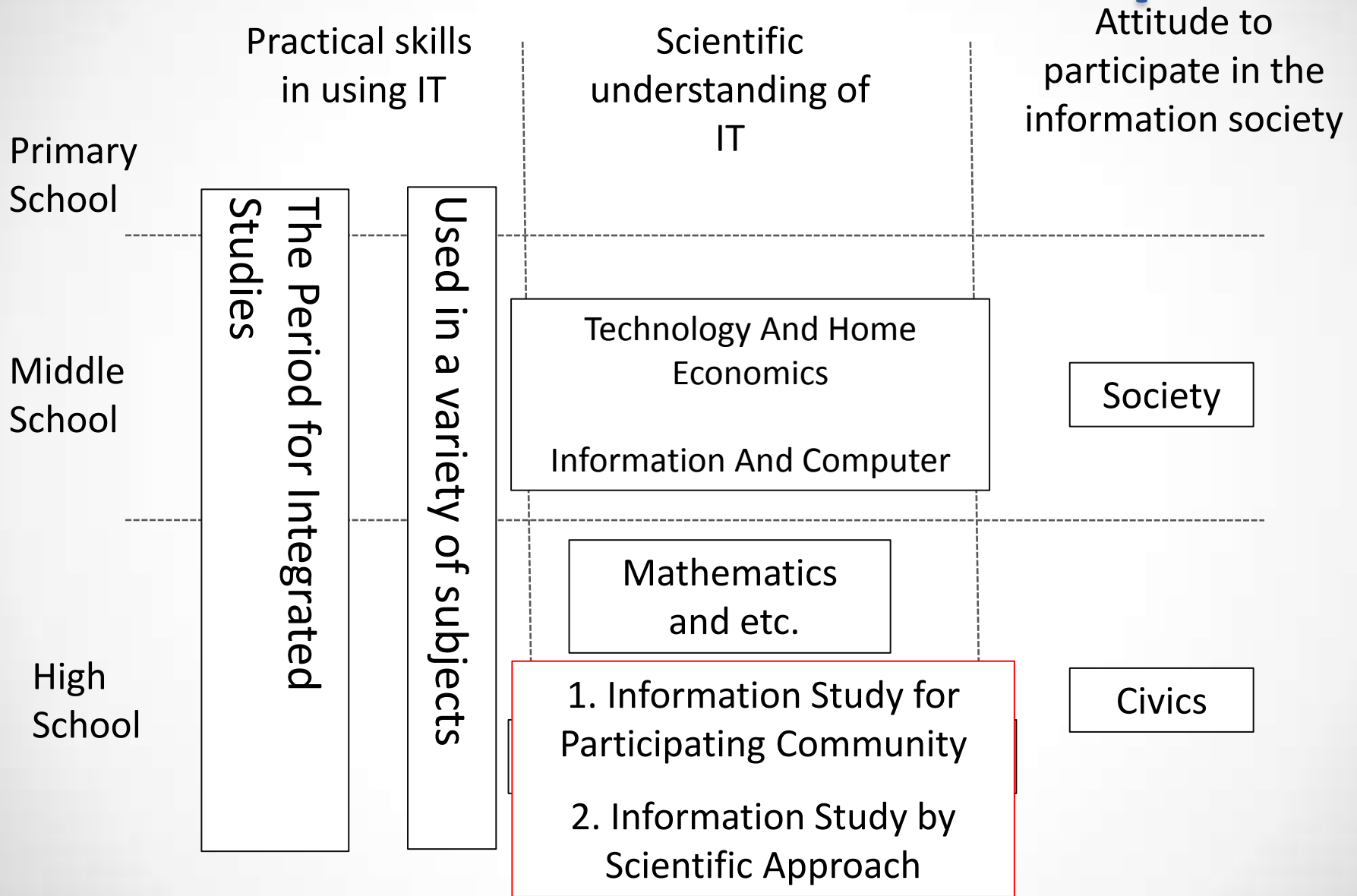


For communication
For entertainment



CNNIC. The survey of Chinese youth online behavior 2010

Information Education in Japan



Five areas of Information Ethics

1 Ethics of information society

情報社会の倫理

2 Understanding and compliance with law

法の理解と遵守

3 Indigenous knowledge of security

安全への知恵

4 Information Security

情報セキュリティ

5 Construction of public social networks

公共的なネットワーク社会の構築

Teaching materials for moral education



Information Education in China

Primary and
Middle School

Elective

High
School

**Compulsory :
The basis of IT**

2 Credits

+

Elective1: Algorithms and Programming

Elective2: The application of multimedia
technology

Elective 3: Network Technology

Elective 4: Data Management Technology

Elective 5: Artificial Intelligence initial

2 Credits

The problems in High school IT courses



With large amount of information and limited time, it is difficult to have enough interactions with students in classroom.



The problems in High school IT courses



IT course focuses more on technology and skills, it is hard to find time to discuss moral problems.



The problems in High school IT courses



With different students' starting point, it is difficult to involve all students in the same activity.



The problems in High school IT courses



It is difficult to keep students concentrate on designed activities.



The problems in High school IT courses



With rapid development of IT, it is hard to provide timely materials for students.



The problems in High school IT courses



With time limited class, it is hard to provide students timely help.



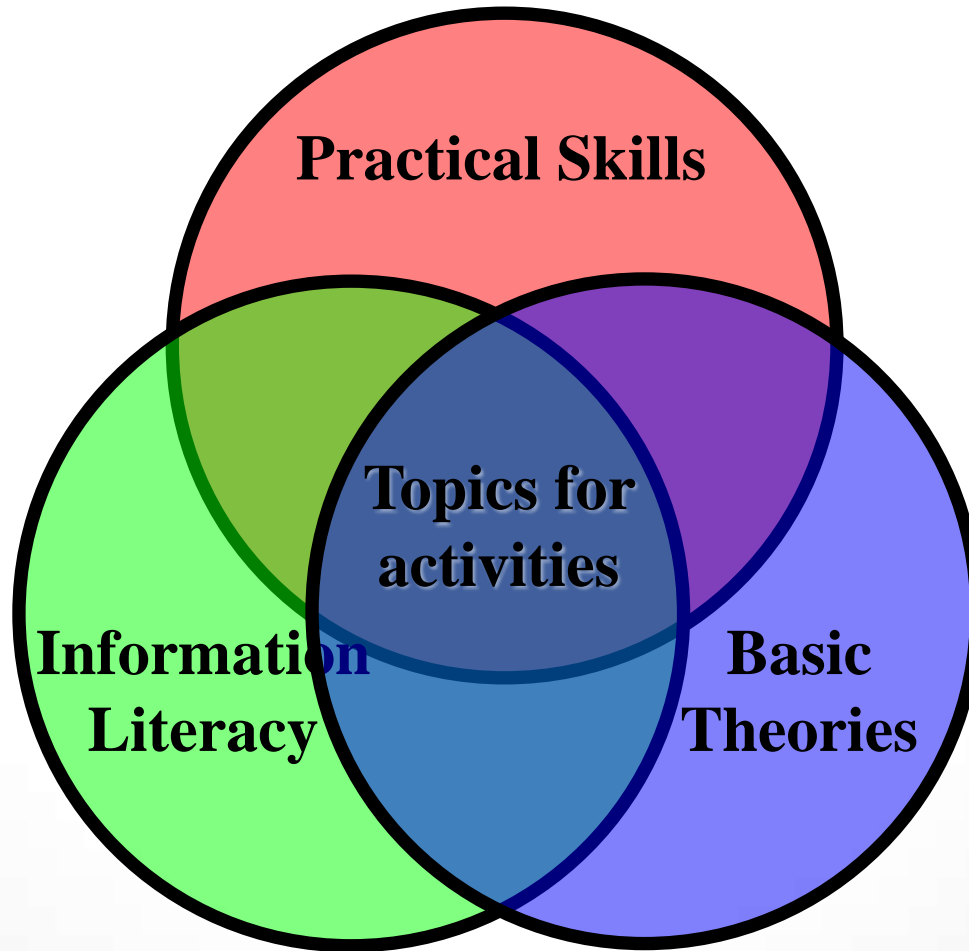
Blended learning

"Blended learning focuses on optimizing achievement of learning objectives by

- applying the 'right' learning technologies
- to match the 'right' personal learning style
- to transfer the 'right' skills
- to the 'right' person
- at the 'right' time."

Singh and Reed (2001)

Choosing appropriate topics



Choosing appropriate topics

- Evaluate information received from internet carefully and objectively.
- Publish information on internet responsibly.

Society

- Respect for personal privacy.
- Respect for intellectual property.

Other people

- Keep our computers secure on internet.

Personal

An Example: Multimedia course

Know how to deal with all kinds of multimedia information.



Every unit focus on one medium

Make a promotional video for school.

Text

Picture

Animation

Video

Audio

Presentation

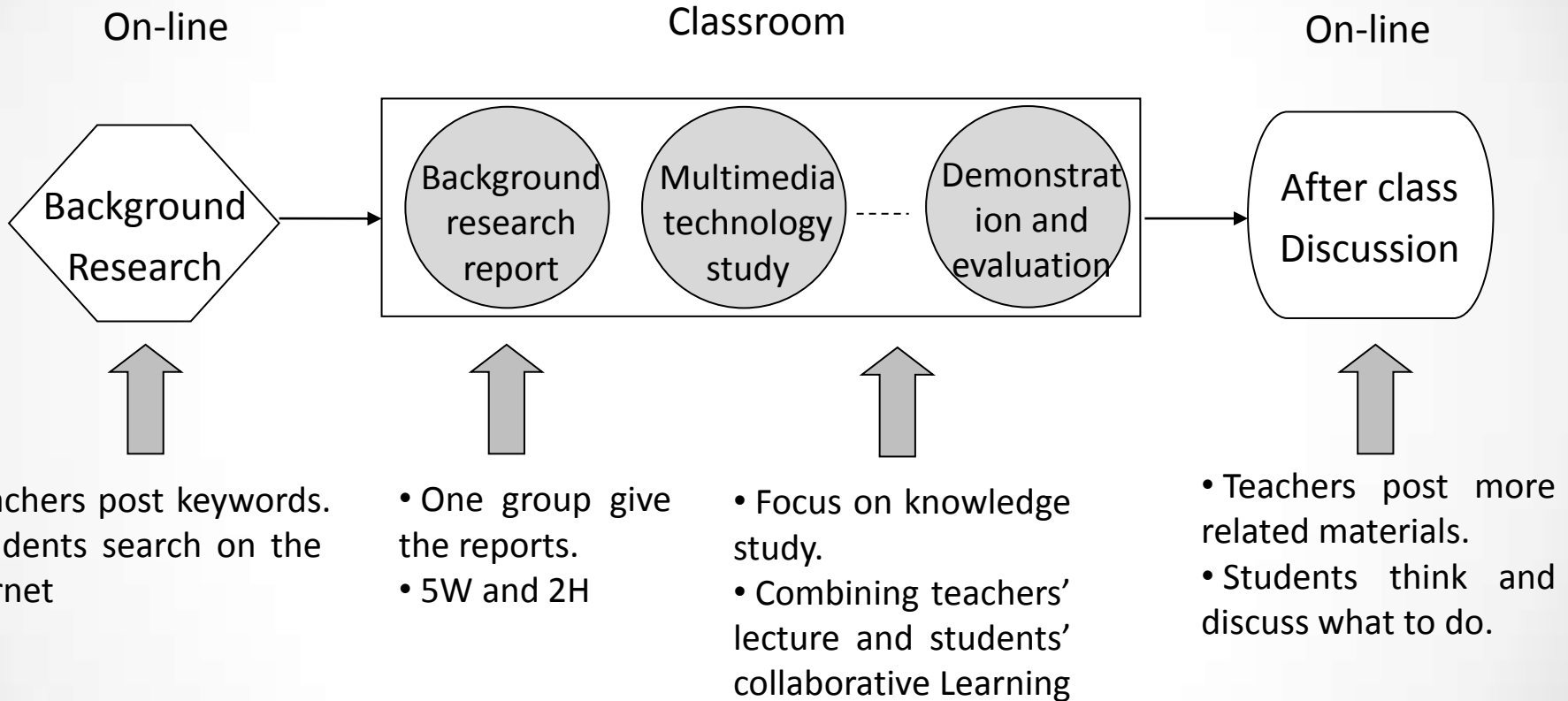
多媒体



END

- ~~Keep internet computer and mobile phone use responsibly and objectively.~~
Keep internet computer and mobile phone use responsibly and objectively.

Teaching process

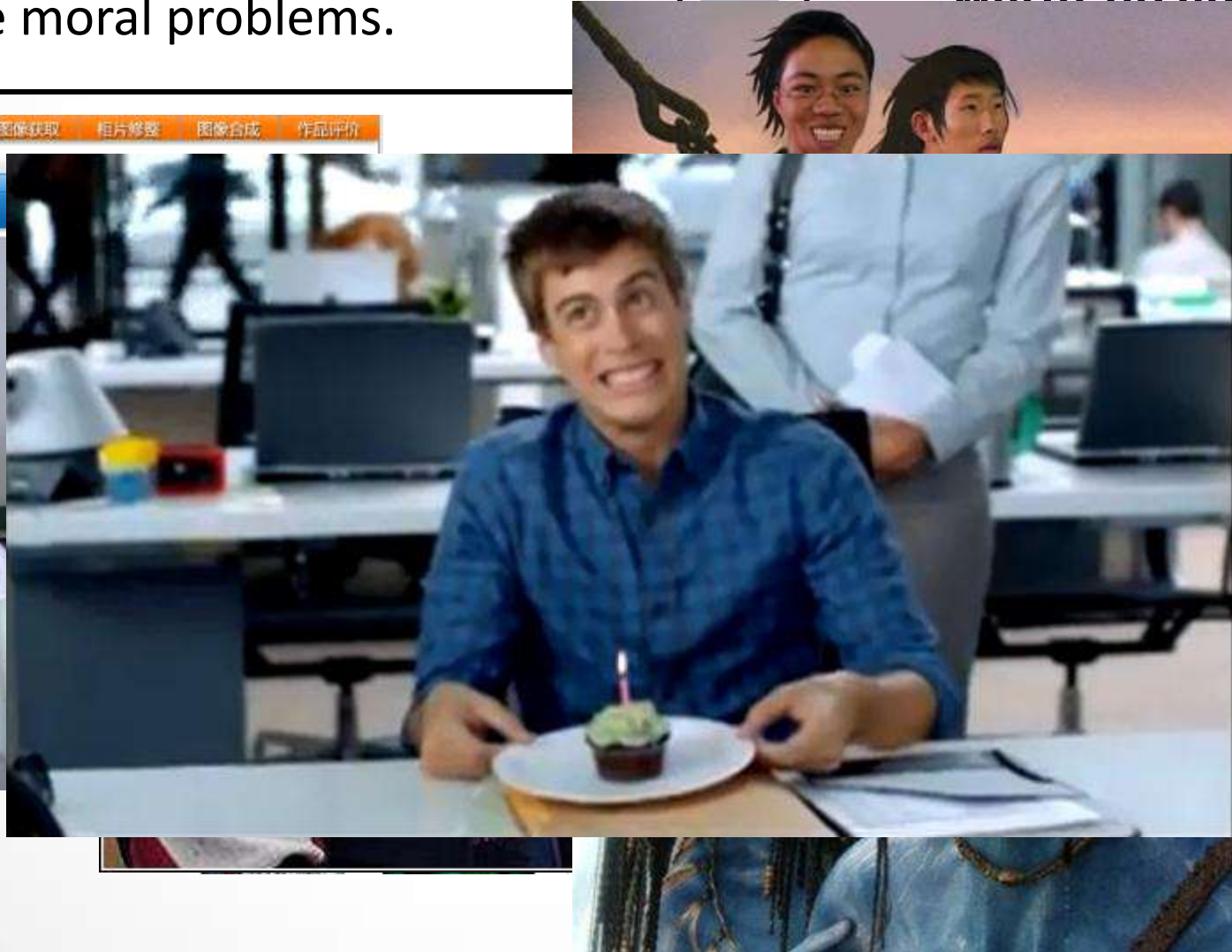


* 5W and 2H: Why, What, Who, When, Where and How, How much.

An Example: Multimedia course

Facing with real cases, start to think about the moral problems.

Every activity has warm-up and session.

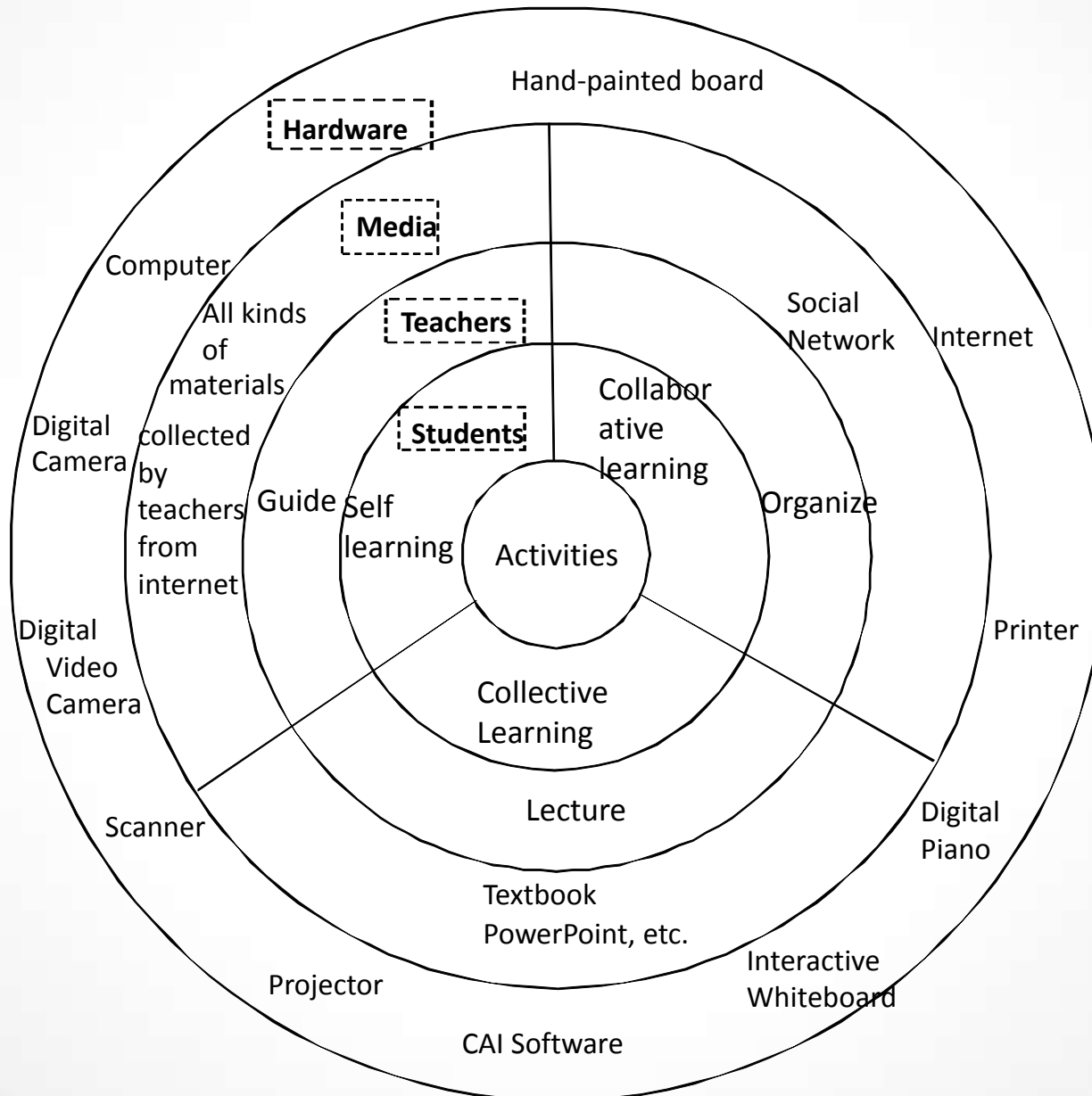


作品评价

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Environments for multimedia activities



An Example: Multimedia course

Active participation.
Develop problem solving, and scientific thinking habit.
Experience the whole process of making work.
Grasp the basic knowledge.



Students centered activities



An Example: Multimedia course

Different situation, different demands.



**Combining
student's demand,
give timely help.**

56.com 我乐

Conclusion

- Focusing on moral discussion within IT courses.
- Mixing on-line study with traditional classroom teaching.

Further work:

Using in multimedia course only.



Wider usage in other courses.

Using the social network sites, such as Renren, none specialized tools.



Develop a unified supporting environment?

Thank you very much!

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