

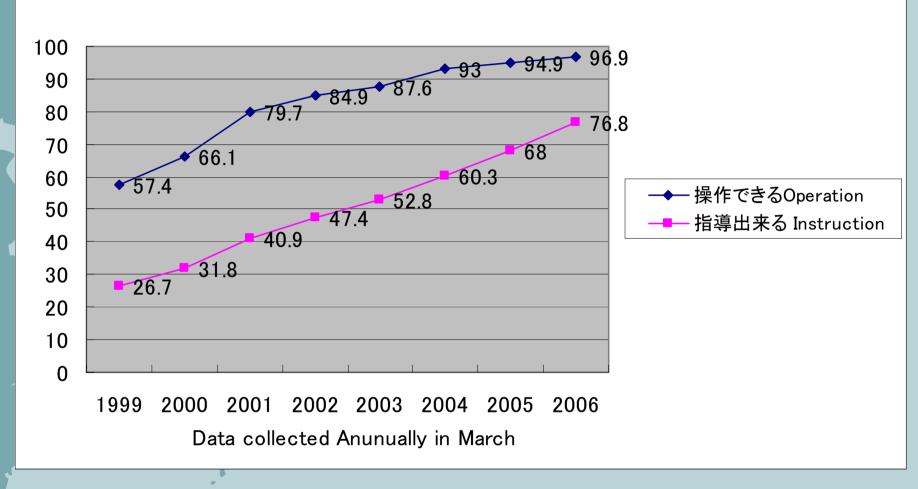
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Outline

- ICT utilization among teachers in Japan
- Effective measurements toward teacher training.
- Case study 1
 - Effective ICT utilization in Classes and fieldworks.
- Case study 2
 - International Collaborative Project
- Result and Exploration





Teachers' ICT Utilization Standard (MOE standard 07.2.19)

- 1. Ability to utilize ICT for preparation, evaluation, etc.
- 2. Ability to utilize ICT during lessons
- 3. Ability to instruct students to use ICT foe learning
- 4. Ability to nourish information morals
- 5. Ability to utilize ICT for school affairs

Teaching Abilities for ICT Utilization in Education

- Checklist for K-12 schools -

Tentative translation

A: Abilities to utilize
ICT for
preparation and
evaluation of
material research
and teaching

A1: Plan how and when to use PC/Internet

A2: Utilize Internet or CD-ROM to collect materials

A3: word-processing or presentation software to produce documents

A4: Collect and manage students' contents, learning status, achievements, using PC or digital cameras

B1: Present materials effectively to students using PC or presentation equipment to encourage students interests

B2: to grasp questions clearly

B3: to explain for their easy understanding or deepen their thought

B4: to fix their knowledge in arranging learned things

B : Abilities to use ICT in classes effectively

C: Abilities to help student to use ICT efficiently.

D : Abilities to foster sense of information morals

E: Abilities to use
ICT for school
affaires and build
up a good relation
with Parents.

C1: Teach students collecting/selecting information using PC or Internet

C2: to write, and to produce tables/graphs, using software

C3: to make presentation or expression using PC or presentation software

C4: to utilize learning software or Internet for repeated learning/practicing

D1: **Teach students** to communicate, having responsibility for their information and activities and taking into account of counterparts

D2: to collect or send information, keeping rules/manners in information society

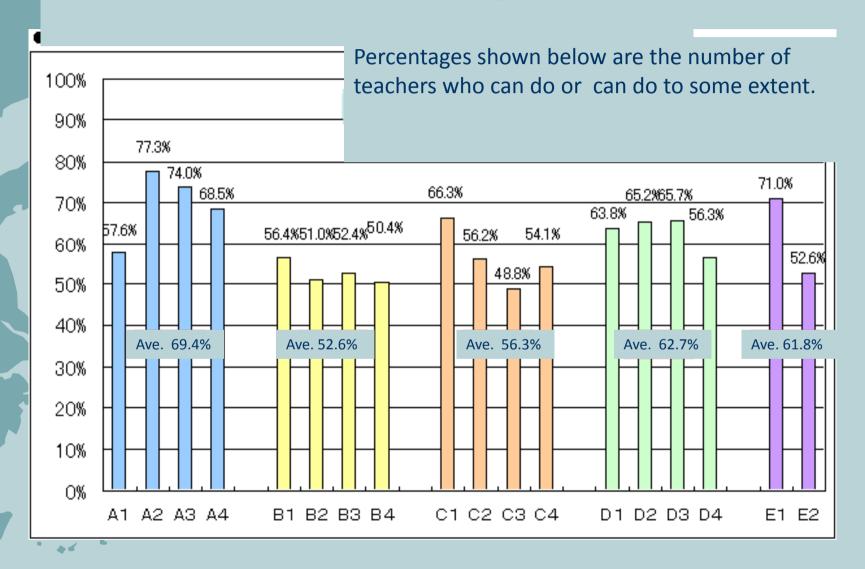
D3: to understand information accuracy/safety and to utilize ICT taking care of their health

D4: to acquire basic knowledge of information security, such as importance of password, and their and others' information

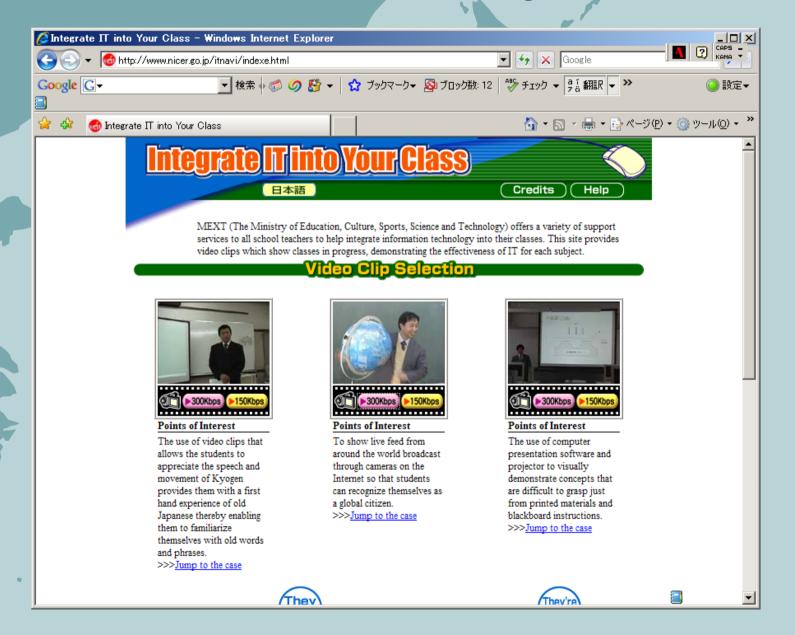
E1: Collect information for school affaires and class management and produce documents and materials using software

E2: Exchange and share necessary information, utilizing Internet or school LAN, for closer cooperation among teachers, parents, communities

ICT Utilization for Education among teachers



ICT Utilization for Teacher Training



Effective ICT utilization in Classes.

 Physical Education , Horse Jumping Elementary



Effective ICT Utilization in the Fieldwork.

- ZOO –School
- Combination between active knowledge and school knowledge
- Can you hear? This heart beat 1

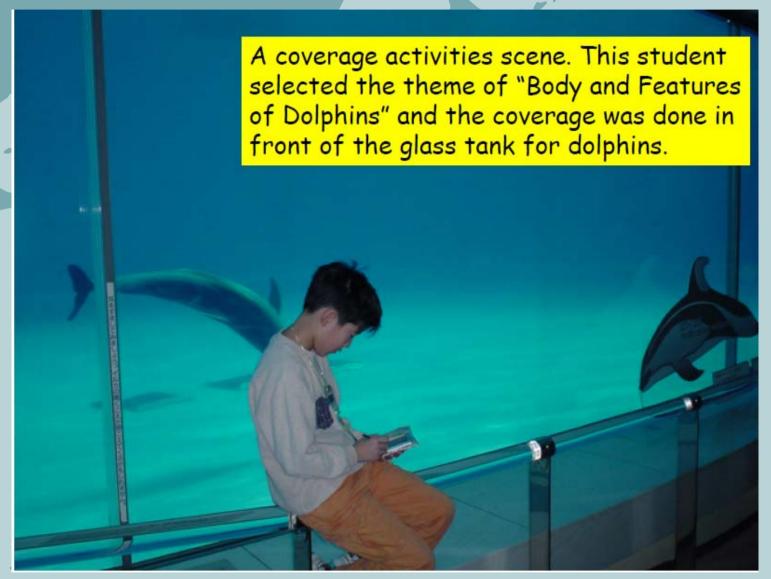
 Sounds help students find something new while watching a live anumal.

While watching a live Anumal





Aquarium and School



Places and contents of learning

- **Enrichment**
- Facing the real world with the help of digital movies or audio to deepen understanding.
 - Experiential learning and class activities
- After getting information, students make reports with professionals' help via the internet at school.

International Collaborative Project World Youth Meeting

- Started in 1999 in Nagoya , Japan.
- The steering committee is constituted of 20 universities, schools+ overseas universities, schools

- Participating countries. (Up to 2007)
- Korea Taiwan Cambodia Papua New Guinea,
 Philippines, Australia, China, Finland, Germany

framework for WYM

Pre event

Exchange files according to the theme Design questionnaires self-introduction via movie files.

Event Face to Face Joint Presentation as a collaborative product

They have to overcome cultural conflicts.

After Event

CD titles are created and shared by English Classes in participating countries.

Collaborative Presentation Cambodia -Japan



High Schools Japan-Korea session

日韓 梨花女子大付属高校 日本福祉大学付属高校



Model of 10Years of Experience

Home pages

Mailing List

Real time communication

File Exchanges

Designing Questionnaire

Face to Face Home stay Program Joint Presentation File Exchanges

CD title
For Efficient English
Material

Real time communication

Pre-Event Event After Event

E-Learning pre-event stage

E-Learning

Supportive E-learning "Enjoy Speaking" is aimed at acquiring basic English to communicate with overseas



E-Learning and International Collaborative project

- "It is necessary to treat the" study activity" as an urgent issue in a broader framework."
- (Kubota,2000)

 Forms of learning should be well designed.

Places and contents of Jearning regarding an International Project

- e-Learning
- Basic conversation, edutainment
- classroom
- Group work for making and performing presentation
 - **Experiential learning**
- Collaborative presentation with overseas participants

Analysis of the participating 51students

- Did you have the chances to use English?
- (t(50)=3.824,p<.001)
- Would you like to try making on English Presentation?
- (t(50)=2.718,p<.001)
- Do you want to give an English presentations? (t(50)=2.349,p<.001)
- Do you feel more confident in speaking English and in managing a project? (t(50)=2.945,p<.001).
- Future English study
- almost 100 % of them answered that they think it necessary to study English every day.
 - 81 % of them answered that e-Learning was useful and helpful.

Results and Exploration

- According to the ICT fundamental, ICT utilization was enhanced.
- Teacher training was improved year by year.
- ICT is improving quality of learning.
- English presentation and computer education can be related to each other. (MEXT2000)
- It is necessary to design situations of different aspects such as study in a classroom, E-learning and ICP.
- It is crucial to treat "study activity" as an urgent issue with in broader framework.

Results and Exploration

- To set up the learning environment across border as 2-3week international curriculum focusing on communication.
- This environment naturally help students to acquire computer skills and global friendship. New technology and broadband surely help them.
- To become get to know communicative aspects of English via the internet.
- To tackle the global issues, such as