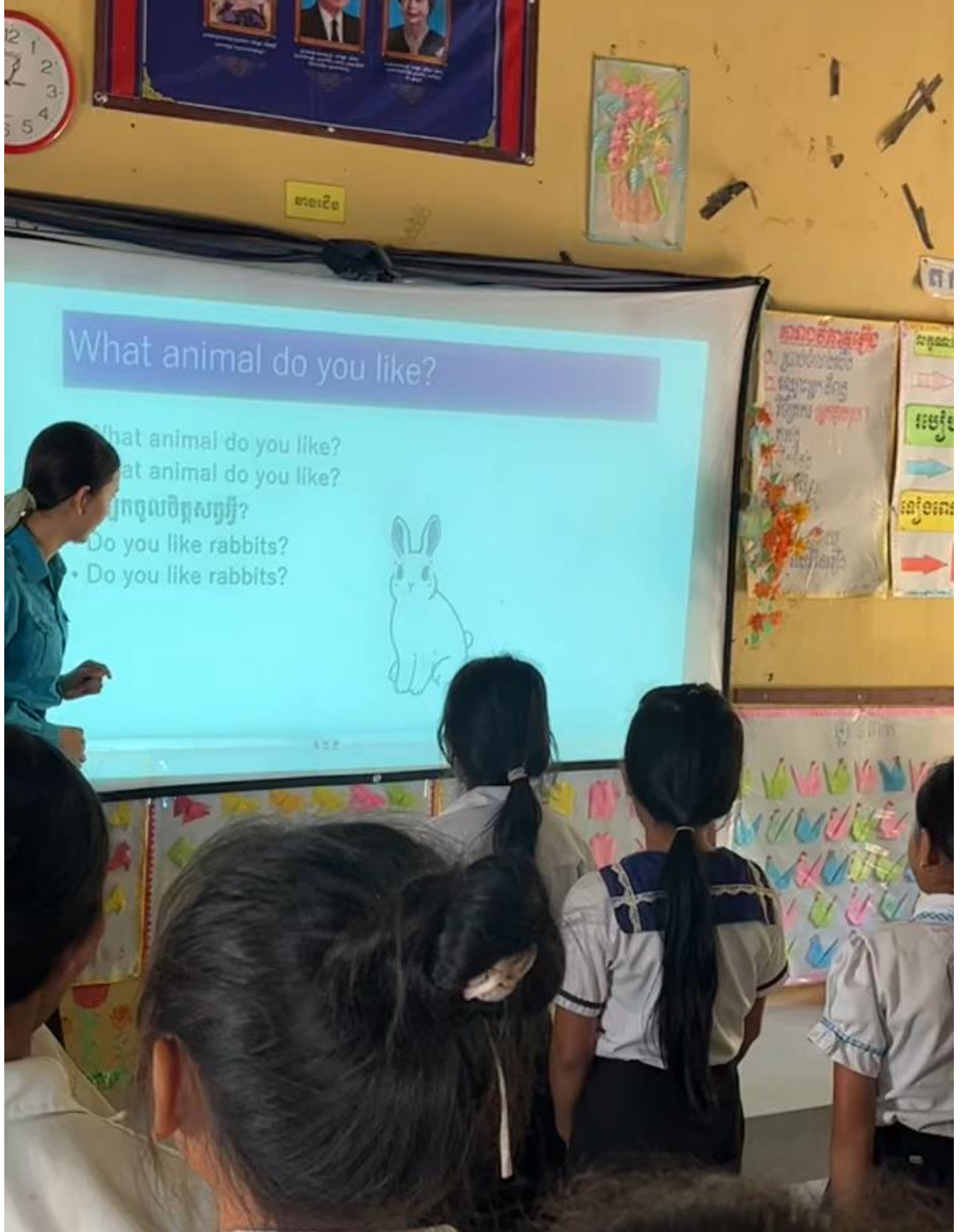
# Prologue

in rural area

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# International Cooperation Accelerated through the COVID-19 Pandemic - Collaborative classes, joint presentations, development of digital teaching materials - (Cambodia)

March 3, 2023

EDU-Port Symposium

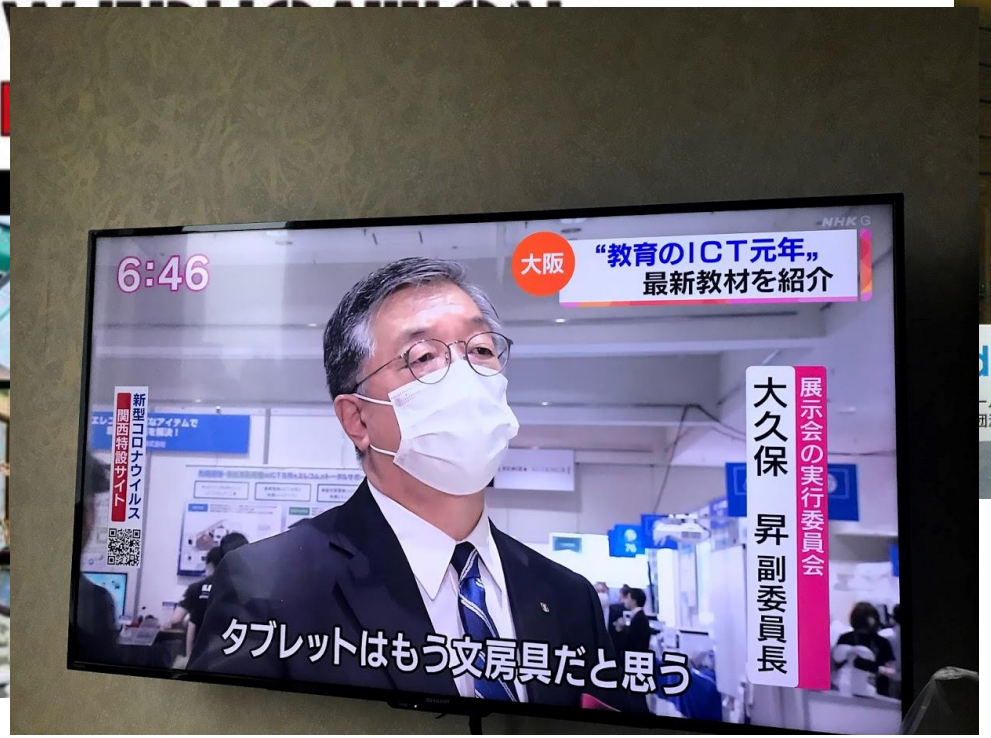
**Makoto Kageto, Consultant to Uchida Yoko Institute for Education Research and**

**Affiliate Professor of Nihon Fukushi University**

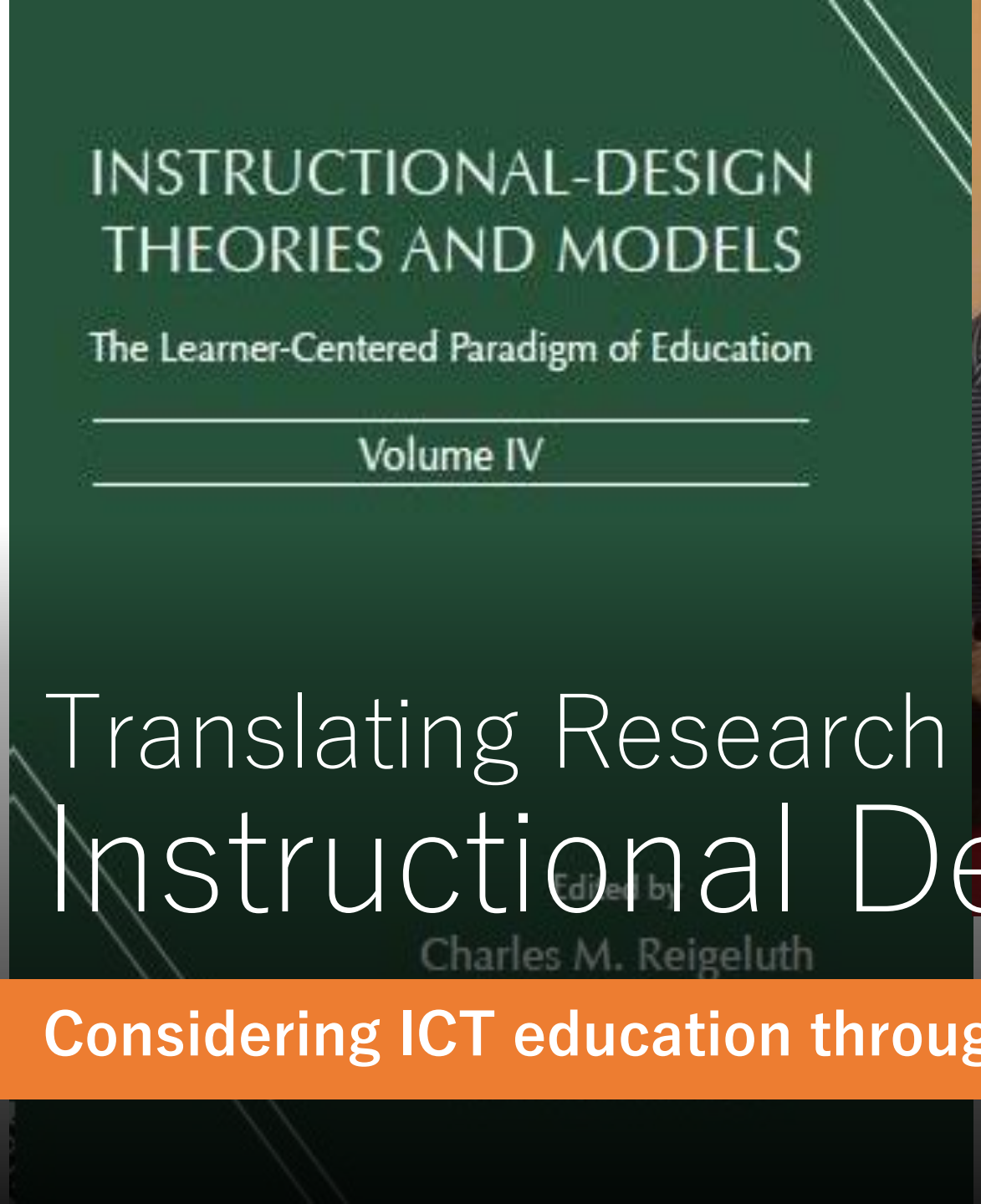
# 1995- ICT Education Support

**New Education Expo**: held for 27 consecutive years, bringing together the teachers, and actors in the private and government sectors

**World Youth Meeting**: held for 25 consecutive years, to promote the practice of democracy and efforts toward the Sustainable Development Goals








# Translating Research into Practice
# Instructional Design

**Considering ICT education through global collaboration**

# ARCS model


ARCS
学習意欲を
デザインする
ARCSモデルによるインストラクショナルデザイン
J.M. ケラー 著
鈴木 克明 監訳
北大路書房

The current level of utilization of ICT in Cambodian education is similar to that of Japan in 2007

Development and sharing of teaching materials


## Credits

Editing Committee for the Website “Use IT in Your Class”

(alphabetical order)

< Committee Members >

| | | |
|---|---|---|
| Chairman | Kanji Akahori | Professor, Graduate School, Tokyo Institute of Technology |
| | Hiroaki Akimoto | Associate Professor, Faculty of Economics, Dokkyo University |
| | Makoto Kageto | Professor, Media Education Center, Nihon Fukushi University |
| | Yoichi Nonaka | Associate Professor, Faculty of Education, Wakayama University |
| | Hidetsugu Horiguchi | Professor, College of Applied International Studies, Tokiwa University |
| | Tatsuya Horita | Associate Professor, Faculty of Information, Shizuoka University |

# MEXT Project

## 2007
## to the world

# Integrate IT into Your Class

日本語 | Credits | Help

MEXT (The Ministry of Education, Culture, Sports, Science and Technology) offers a variety of support services to all school teachers to help integrate information technology into their classes. This site provides video clips which show classes in progress, demonstrating the effectiveness of IT for each subject.

## Video Clip Selection


**Points of Interest**

The digital contents are projected on a magnet screen put on the blackboard. The teacher uses a visual to present a math problem. Then, the learners use it as reference material when presenting their answers while the teacher changes the shape of the figure according to their explanations.

>>>Jump to the case


**Points of Interest**

It is an excellent example of how a math class can be made more fun easily and effectively by the use of a computer.

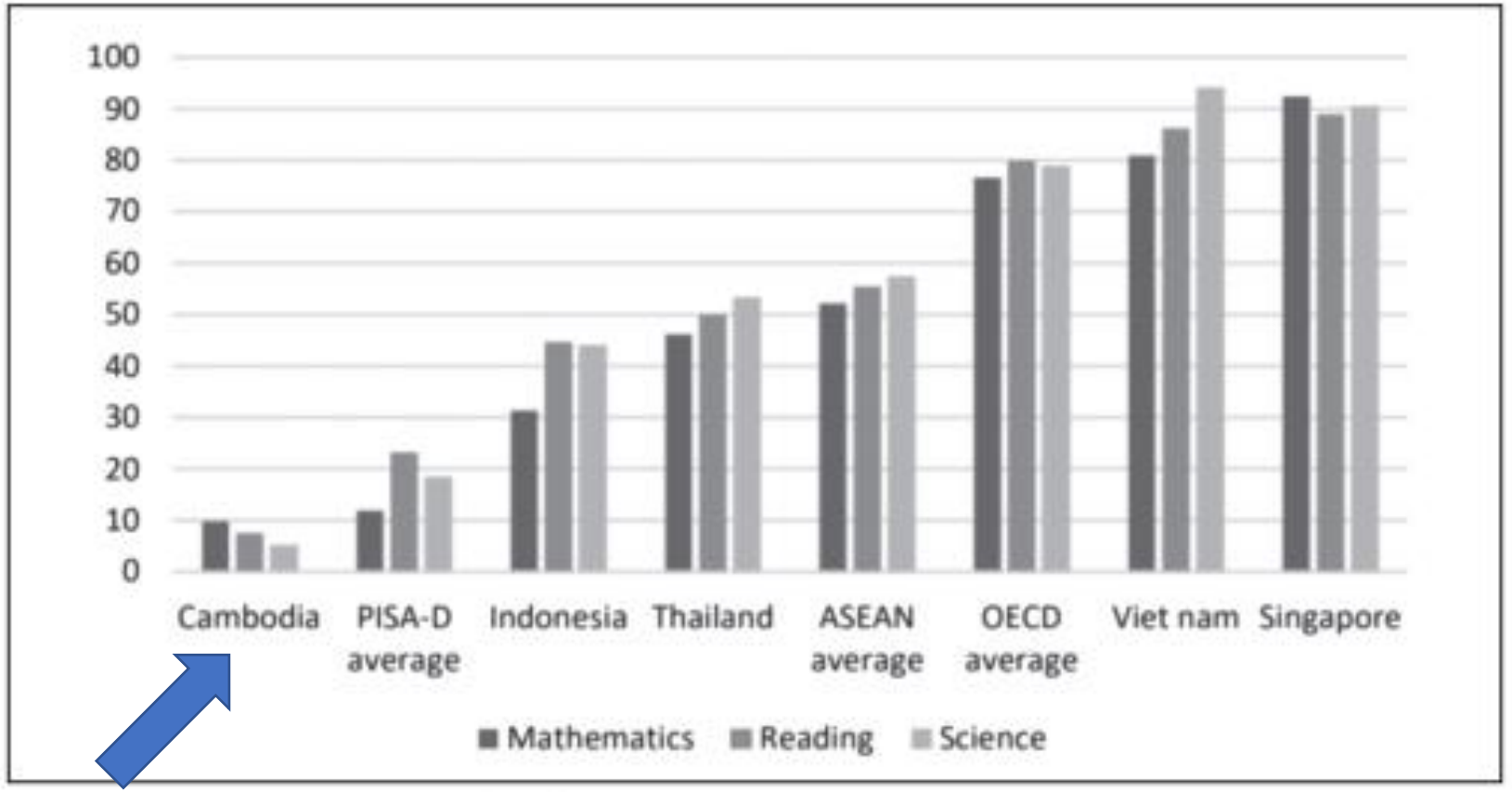
>>>Jump to the case


**Points of Interest**

The use of computer presentation software and projector to visually demonstrate concepts that are difficult to grasp just from printed materials and blackboard instructions.

>>>Jump to the case

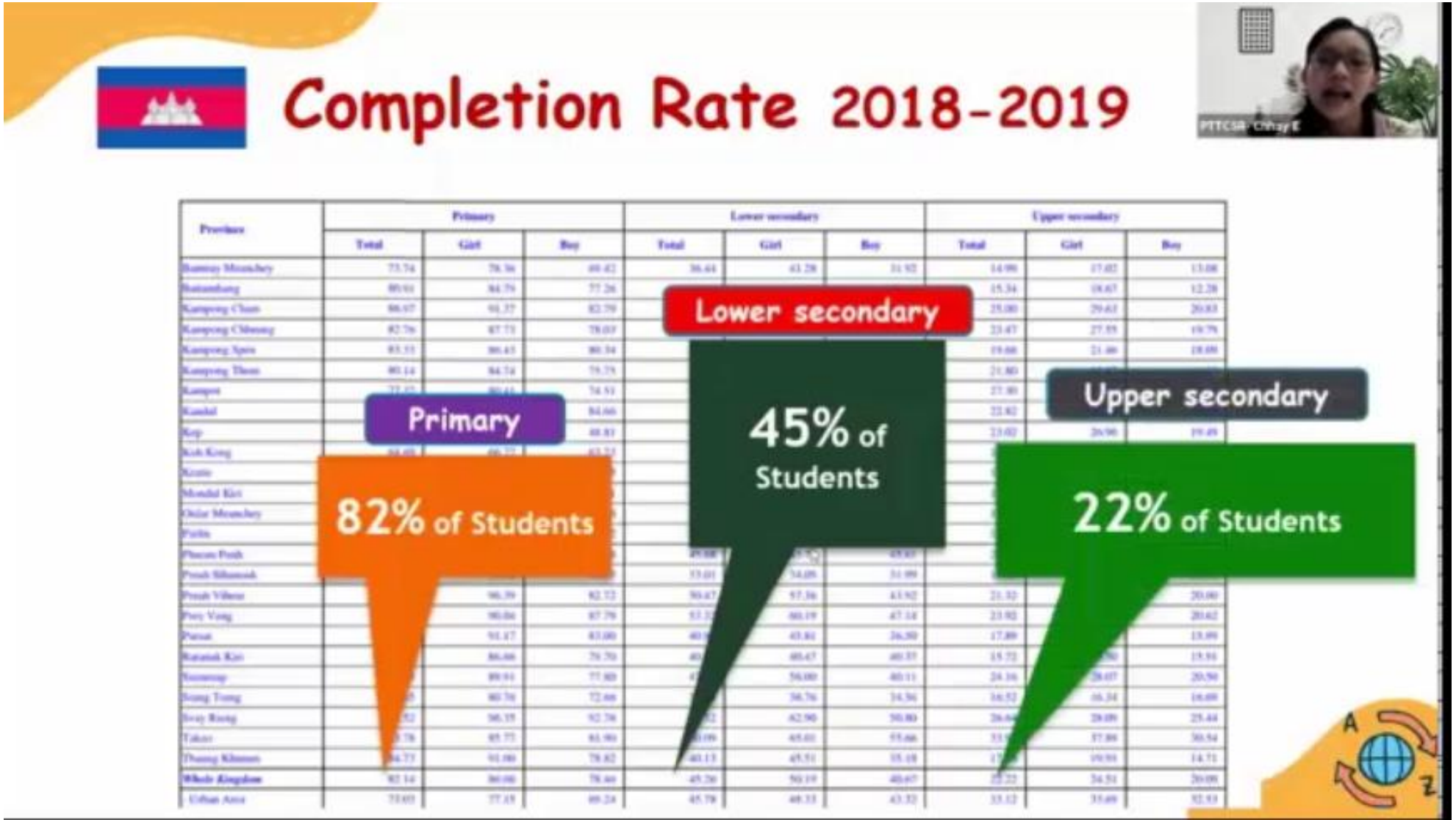
# The current situation in Cambodia: Academic performance




*Source:* PISA 2015 and PISA-D databases

Table 5 percentage of students who achieved minimum proficiency level (level2) (MoEYS 2018, p6)

# Number of schools, teaching skills of teachers, and program completion rate



# 2017: Before COVID-19 pandemic
# Utilization of ICT in primary school English classes
# Learner-Centered

# ARCS model of motivation
# Use of sound and movements to promote speech
# Think as you move

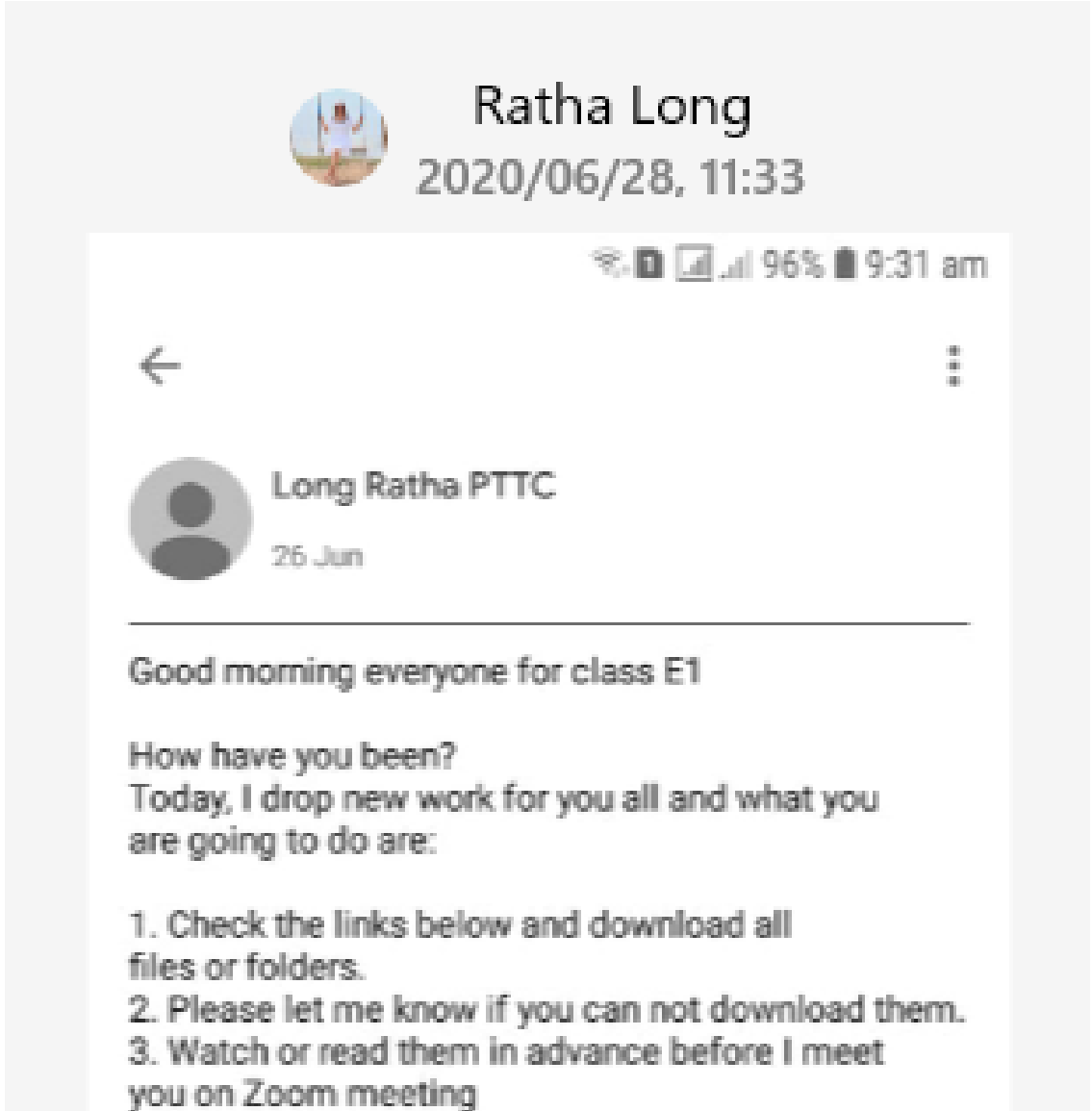
# Experiencing Leaner-Centered activities

# 2019 After graduation Implementing in classrooms EDU-Port

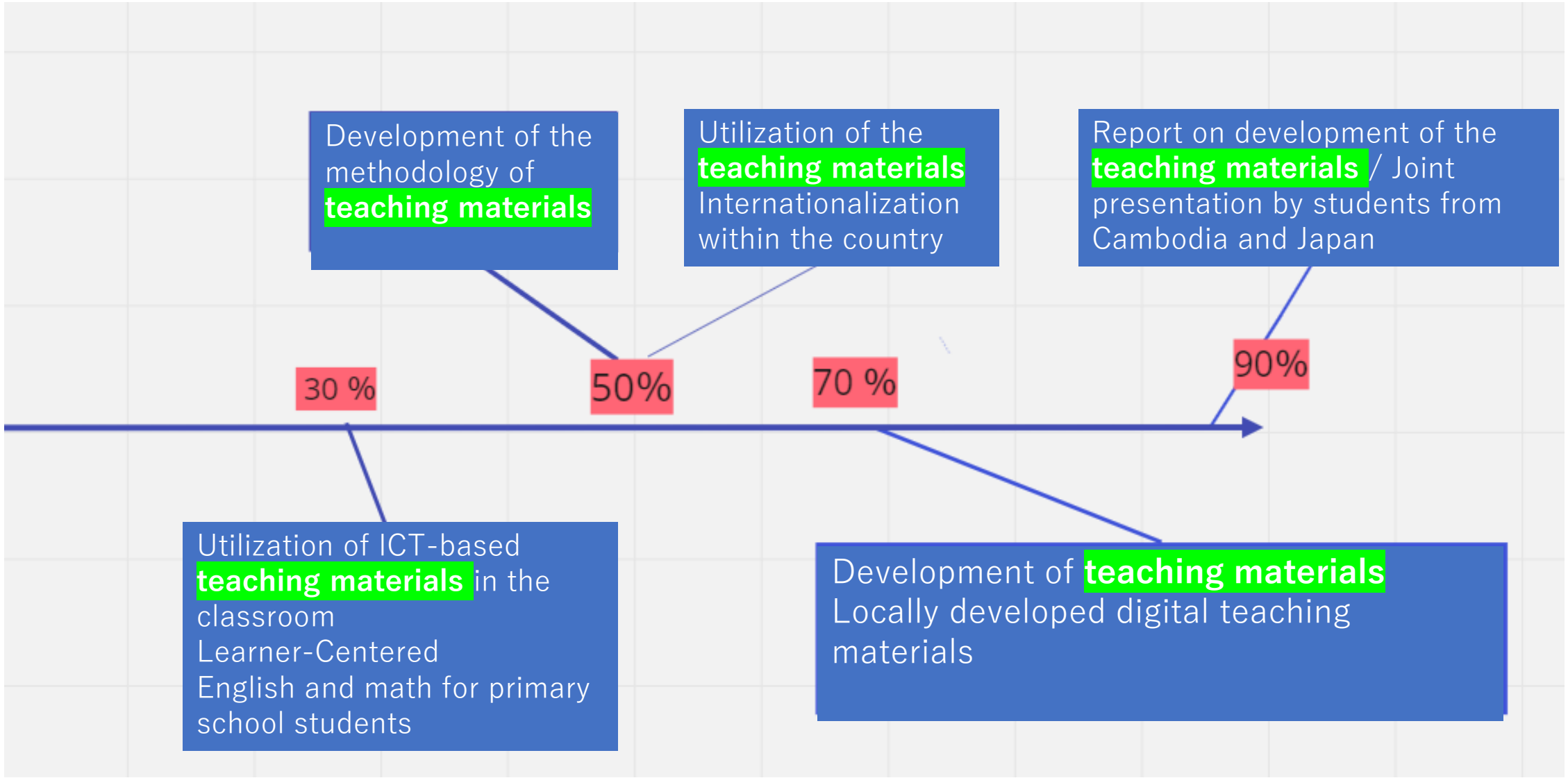

# Efforts amid the pandemic

June 2020

# In the wake of the Covid-19 pandemic, E-learning was introduced on June 15, 2020･･･ “Wow, this is really useful”

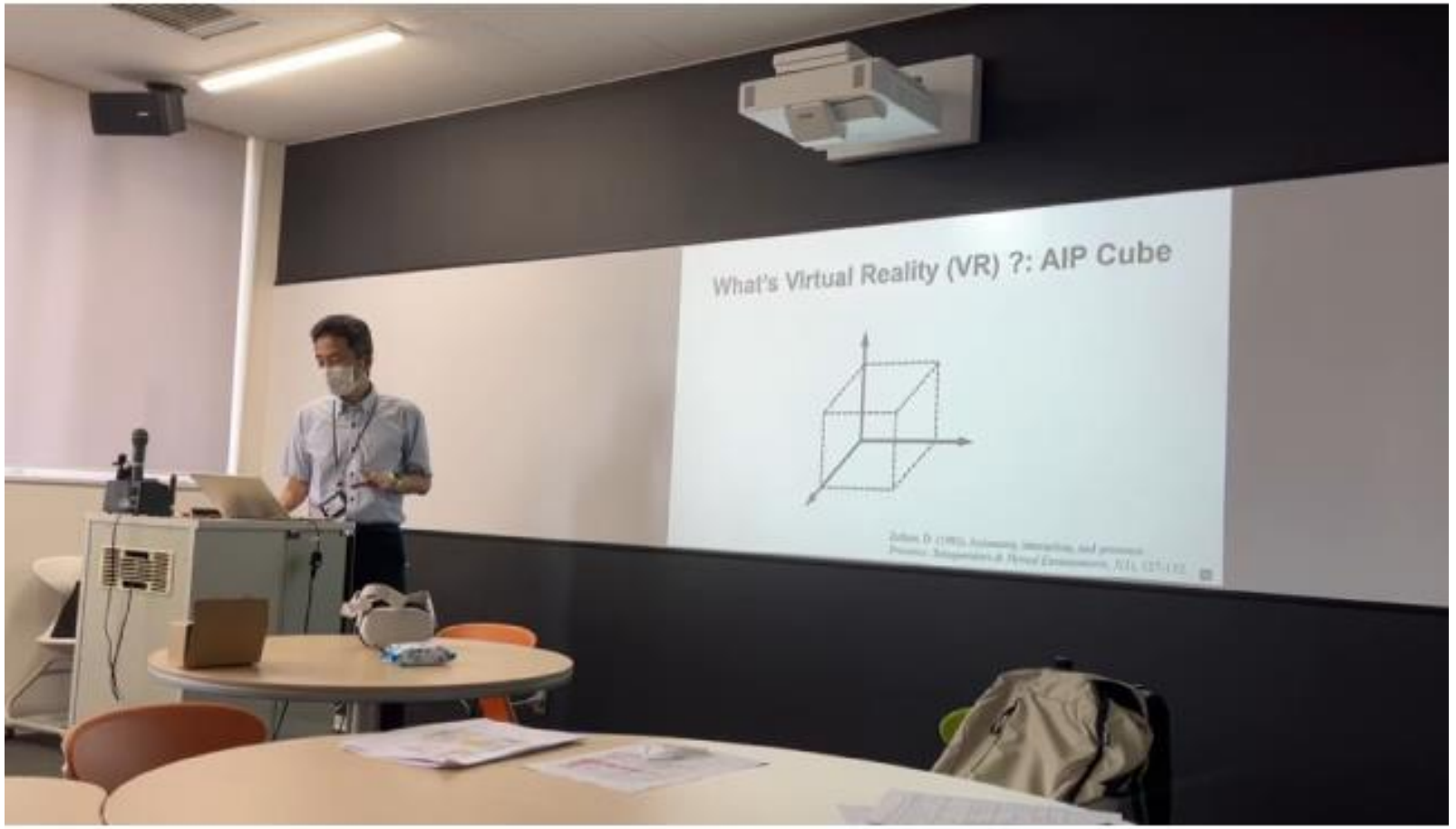



# Roadmap and Progress



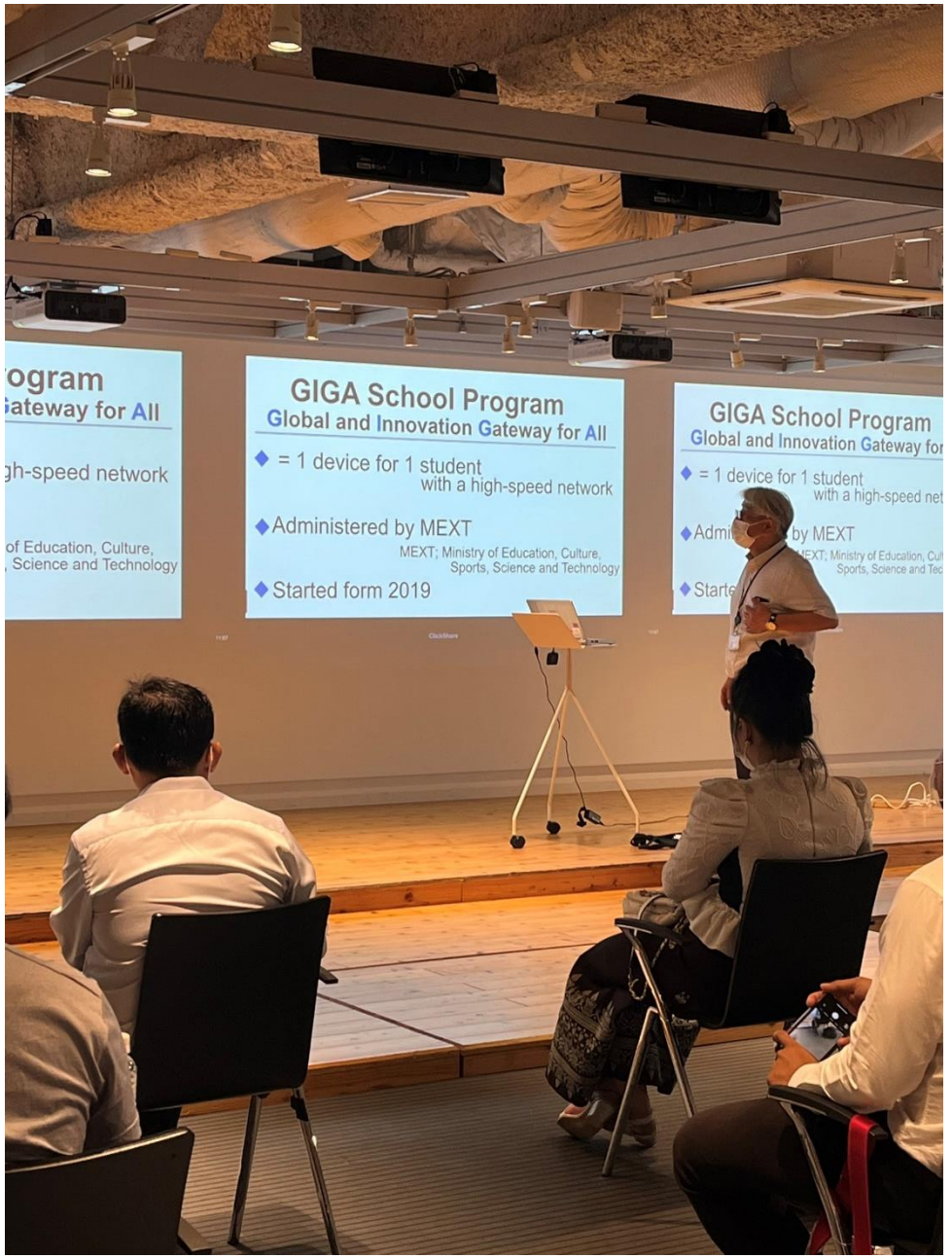
# COVID-19 Pandemic January 2021

# Activities amid the Covid-19 pandemic
# Support for visiting Japan

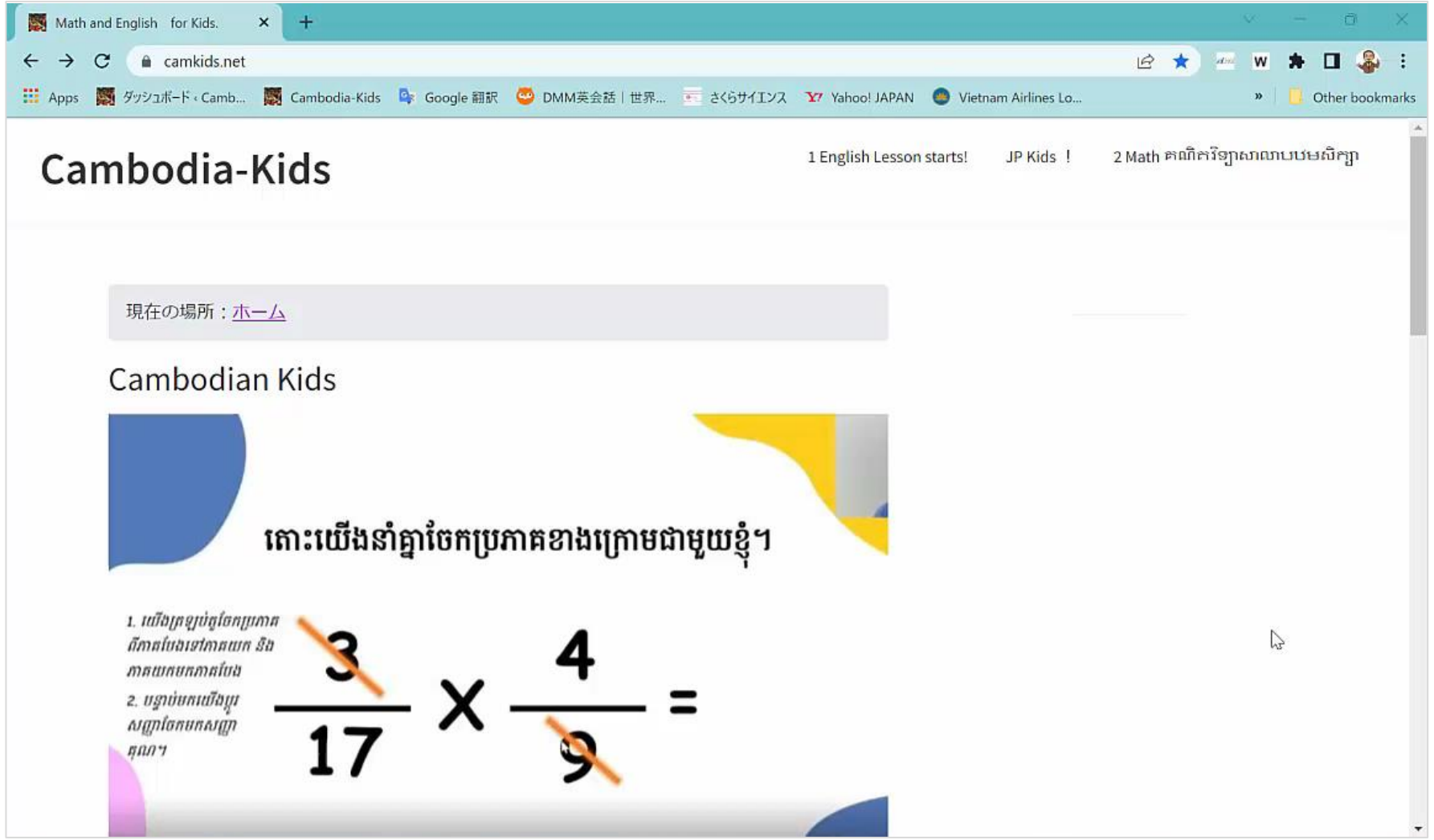


# Uchida Yoko Co., Ltd.
# Tokyo Headquarters – Osaka Branch Office

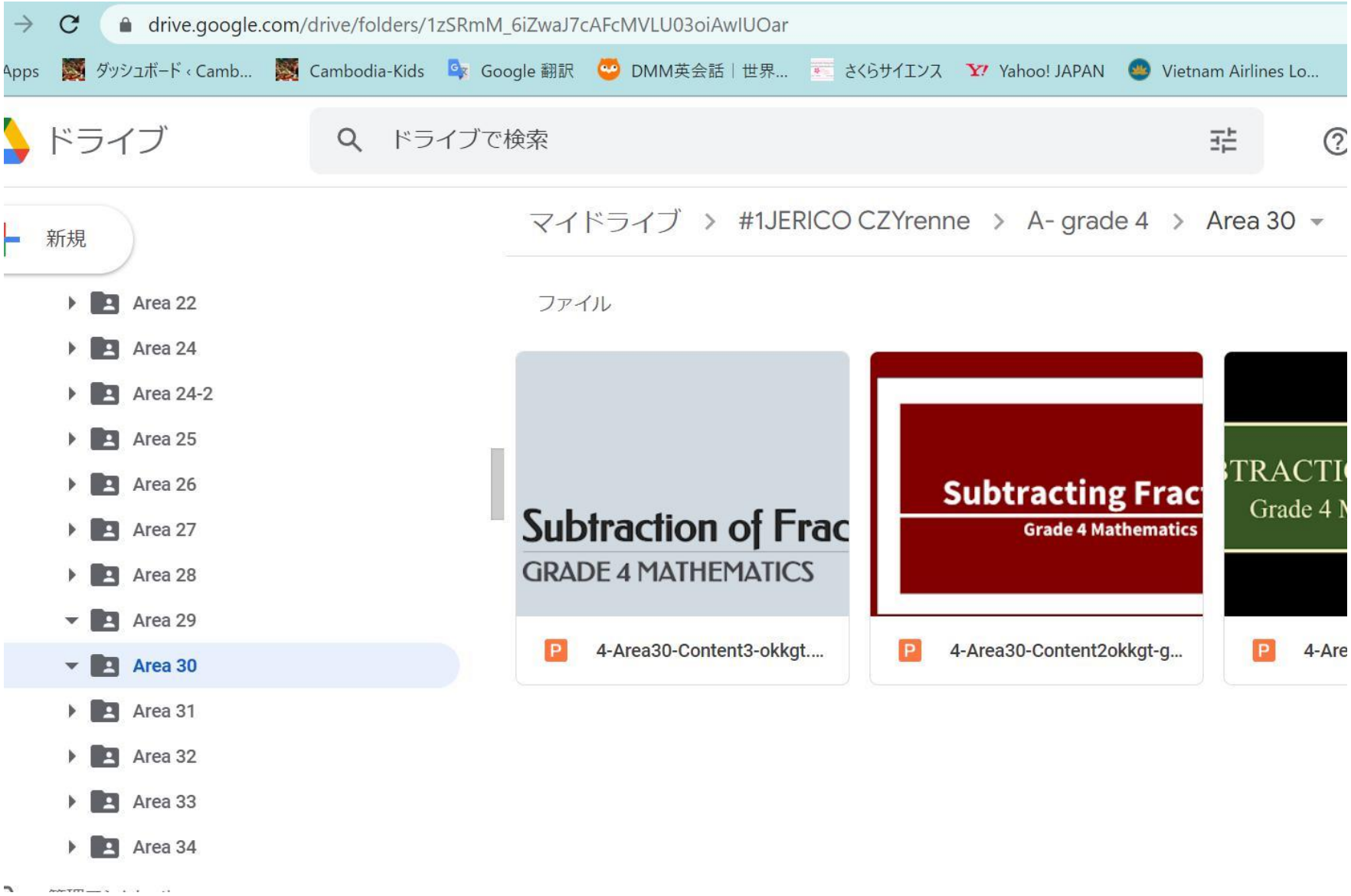
“Proactive, interactive and authentic learning”
GIGA School Program
Osaka Branch Office



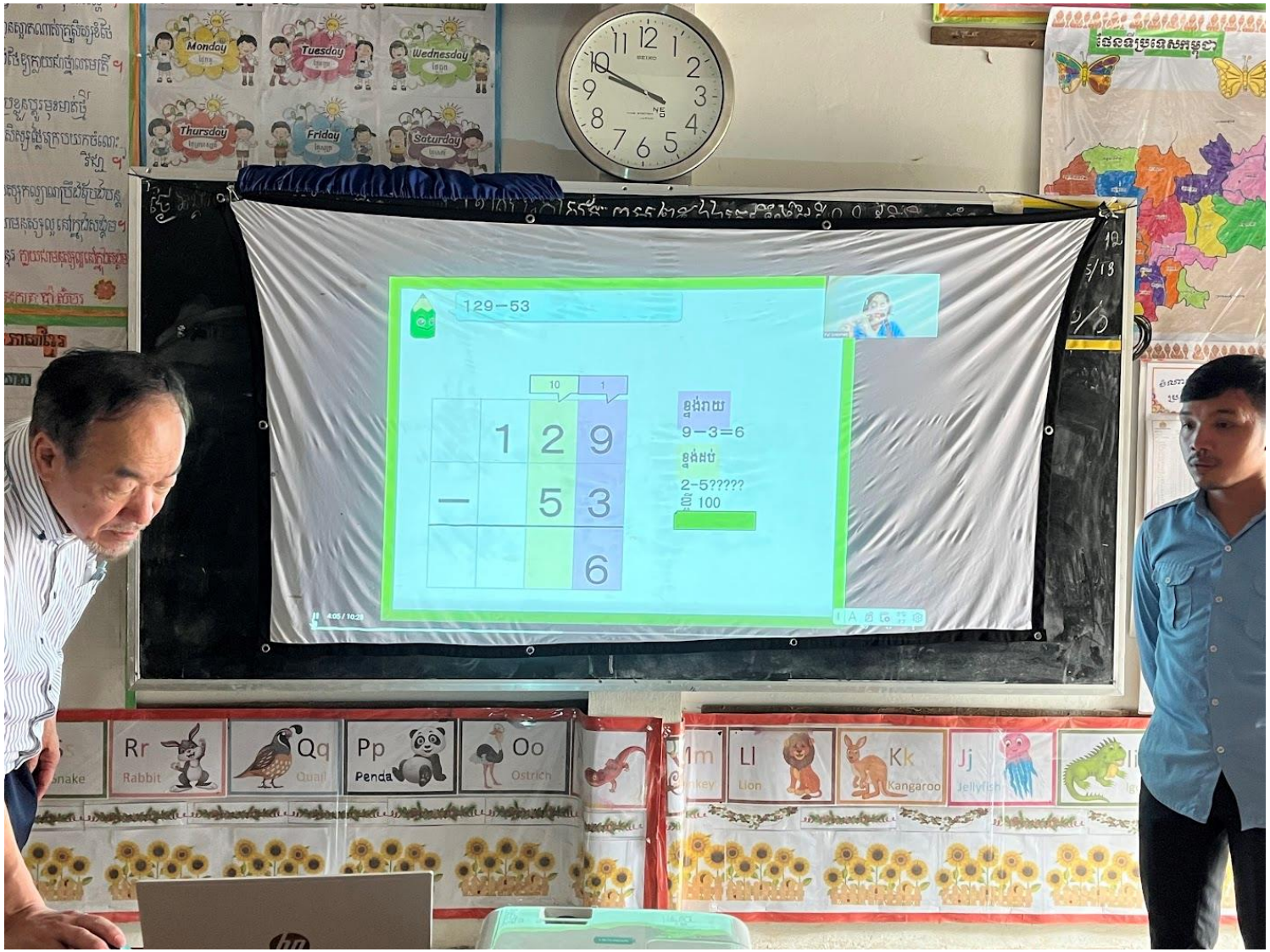
# Now under development: Website and digital contents



# 300 contents



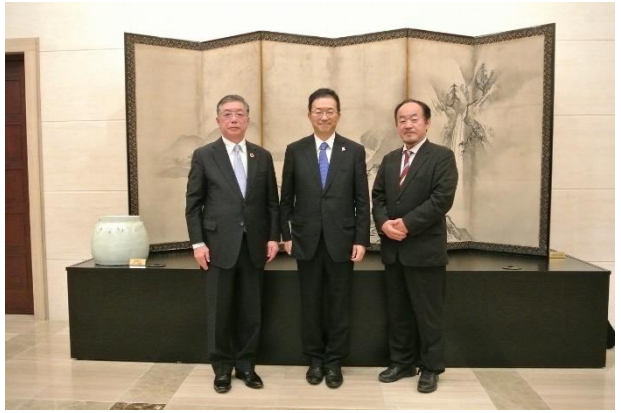
# 2022　Promoting to utilize in classrooms



# How did it become possible?

… in July 2021 during the pandemic, UCHIDA Future Classroom was established as the local base for promoting this project

The Japanese Embassy, MoEYS



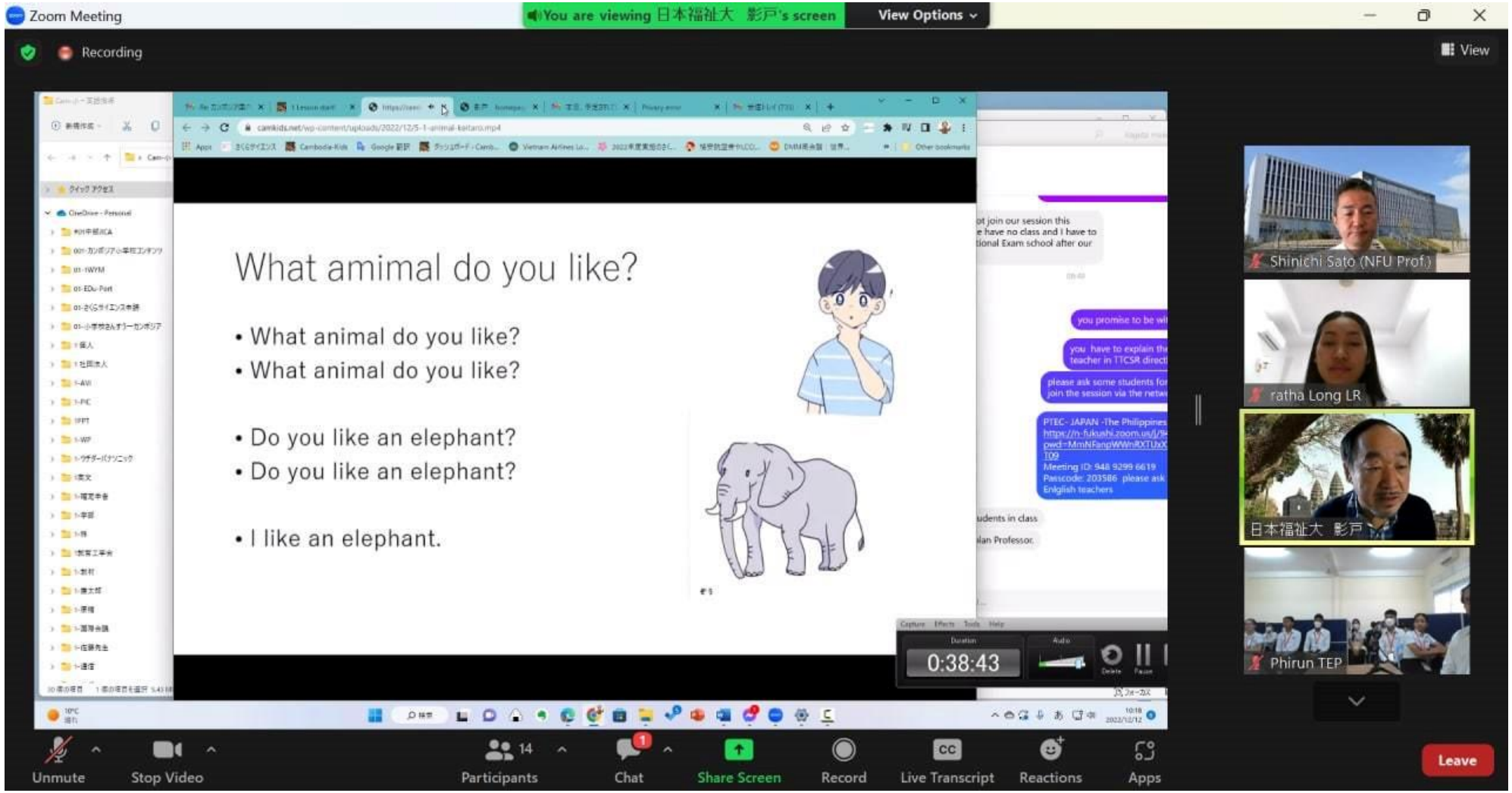
ក្រសួងអប់រំ យុវជន និងកីឡា

MINISTRY OF EDUCATION, YOUTH AND SPORT

# Training school for teachers, ICT training course
# Development of contents for use in classrooms

# Development of methods for teaching English and mathematics

# Development of teaching method - teaching practice - become established

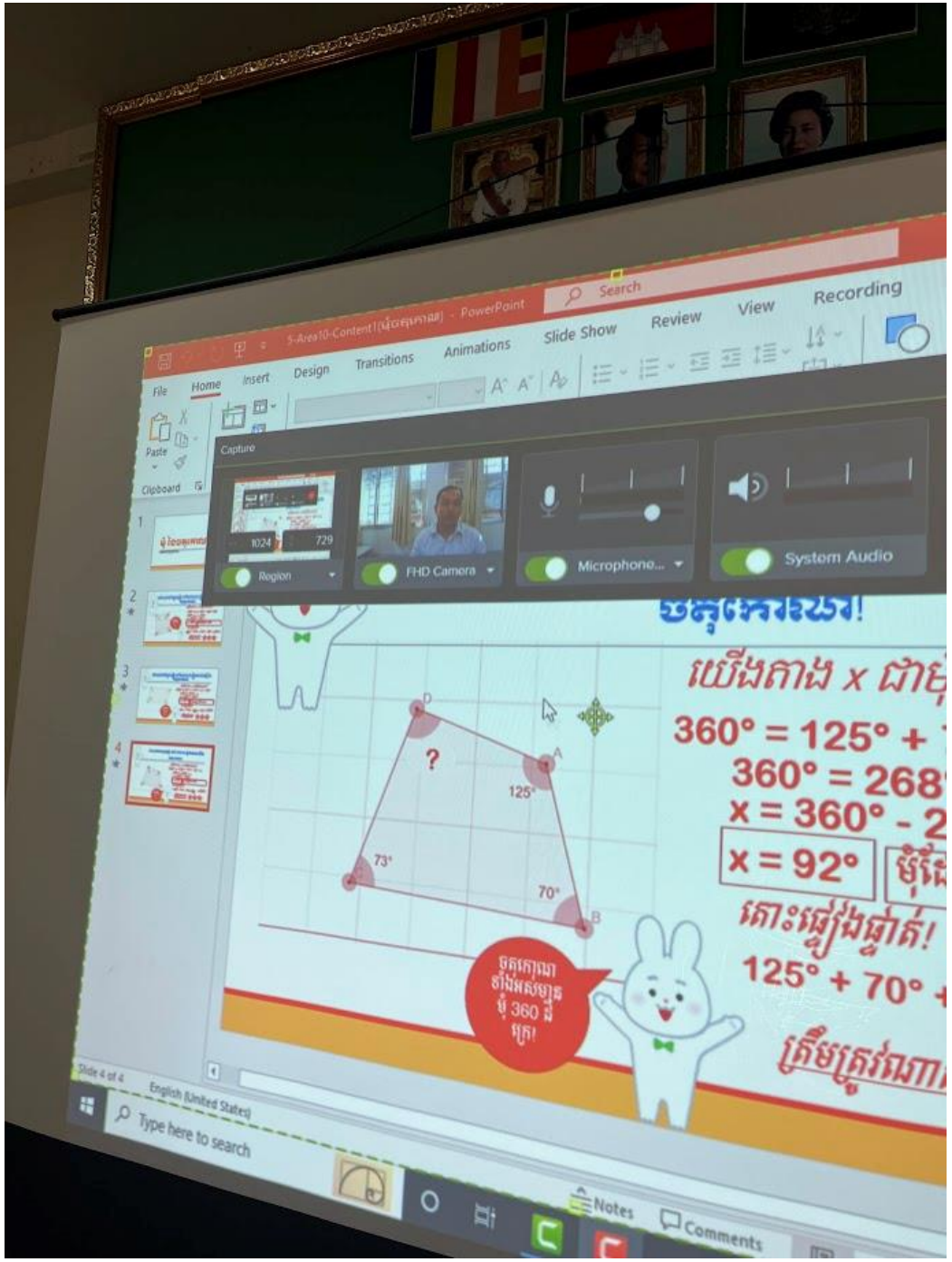



Shinichi Sato (NFU Prof.)
Makoto Kageto (NFU Prof.)
吉田 信介
Phirin TEP
ratha Long LR

# Development of teaching materials

## Ph-JP / Ph-Cam

## English - Khmer



# Promoting internationalization through teaching materials
# Inquiry based learning for high school students

# Promoting internationalization through teaching materials
# Inquiry based learning for high school students

# Practice teaching using the materials we developed for a period of 6 + 8 weeks

# Future outlook　Sharing and utilizing

- The website will be utilized at training schools for teachers across the country (24 schools including two four-year colleges established by JICA)
  Support for building teaching skills

- Some students may not be able to attend school, but they might be able to use their cellphone for learning…
- Gather 1,000 units of projectors

…In collaboration with Japan

# My involvement in Edu-Port taught me that…

- Japanese math education is the best in the world in that it encourages students to create and use learning tools by themselves.
- Teaching practice (6 + 8 weeks) offers a perfect opportunity for experimenting with the use of ICT teaching materials
- It is important to understand the daily lives of the teachers and encourage them until they start to proactively develop their teaching skills
- We need to strengthen ties and be creative to be chosen as the preferred partner when there are many countries offering support.
- Sharing and exchanging things learned in Japan and Cambodia – “Inquiry Based Learning” for high school students and “Social Studies” for primary school students
- Promoting the widespread use of the products of our project: Launch of a digital content website
- Completion of ICT training at teacher training universities means to make sure the teachers can actually use ICT for teaching
- Things that we must not fail: to sever the path to war and to push forward efforts toward the Sustainable Development Goals

# Collaborative projects

- **EDU-Port Projects (2017-2022)**
- **EDU-Port Project adopted for FY2022 “What we learned through the COVID pandemic: Development of collaborative ICT classes between Japan and Cambodia”**

- **JICA Partnership Program (Support type) 2022-2025**

  **“Development of regional ICT model schools led by local teacher training school”**