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Program 1

Disaster Reduction Education Program for students majoring in pedagogy

Proposer: Tomoko TERAMOTO

- Objectives: Teachers are supposed to protect their students in the event of a disaster, so this lecture aims at providing teacher candidates with knowledge regarding disasters, as well as skills on how to teach about it.
- Target: students majoring in pedagogy
- Type: Lecture, experiment and field trip
- Project: one-week intensive lecture learn about earthquakes and their consequences.

Lecture Contents

Day 1:
Lecture about earthquake mechanism. Then learn recent earthquake. (DRH48 and Teaching materials about risk management and disaster prevention)
- Learning about earthquakes to teach children.
- Learning about past earthquakes and experiences in order to reduce damage.

Day 2:
Earthquake experiment and Shaking-table demonstration (DRH2 and DRH22)
- Easier to understand earthquakes by making a simple device.
- Seeing to the difference in damage between two buildings with different structure.

Day 3:
Lecture about disaster triggered by earthquakes (tsunami, liquefaction and so on)

Day 4:
Simple quiz & impression presentation

Day 5:
Explaining about disaster management and making a hazard map of the inside and outside of the school (DRH38, DRH40, DRH41)
- Knowing which of the school buildings are earthquake-resistant.
- Identifying the dangerous places within the school.
- Making a panel in each classroom to show what kind of risks exists and how to evacuate when an earthquake occurs.
Day 6:
Making hazard map then discussing them in groups and try evacuation drill (DRH25)

Day 7:
Sum-up and teaching practice about earthquake and related disasters in front of the other attending people

Outcomes

• The lecture and experiment allow students to understand earthquakes and related disasters easily
• Sharing ideas and teaching practices is a valuable experience to teach children in the future

KIDA Tree Model

Knowledge
• Earthquake mechanism
• Earthquake Disaster
• Earthquake related disasters (tunami liquefaction)

Desire
Children can learn about earthquakes
Children can evacuate safely when a disaster happens.

Interest
• Field trip (inside and outside of the school)
• Simple Experiment

Action
• Teachers provide an enjoyable way for children to learn about earthquakes.
• Safe evacuation

References
DRH 2,22,25,38,40,41,48
Others: Teaching materials about risk management and disaster prevention, Saitama prefecture