

Simulation of Evacuation Site Management Using "Four-frame cartoon"

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Almost five years have passed since the Great East Japan Earthquake occurred, but most of the schools remain the ineffective earthquake drills without improving or reorganizing their disaster prevention classes. For schoolchildren to protect their lives, We need to tell them not only the earthquake mechanism but also empower them how to act when an earthquake occurs, how they should be prepared against Earthquakes, or what will happen at the evacuation site.

At the time of disaster, people have to make the best decision as quick as possible with insufficient information, and most of the time there is no formulaic answer. We therefore developed an educational material of "four-frame cartoon" suitable for pre-training the dilemma problems. In the presentation, we will show five patterns of "four-frame cartoon" based on the manuals of evacuation site management provided by each local government. Most of Japanese local government set up teams for dealing with problems or making evacuation site rules for everyone to spend there more comfortably. We therefore took up main five teams from the manuals and made each team's "four-frame cartoon". These "four-frame cartoons" are designed to let the people to imagine the life at an evacuation site and simulate the severe situation that each team would experience at the time of disaster.

We will also introduce "case-cards". "Case-cards" are made up of 8 cards and each card tells players the real-life experience at the evacuation site. By using these cards, players can assess their decision-makings and imagine the situation at the evacuation more deeply.

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