

2017 Intensive for School of Constructed Environments, Parsons The New School

“Disaster Preparedness and The Constructed Environment”

In collaboration with The Japan Foundation

For Class Use Only, Not For Distribution

Creating Disaster Preparedness Educational Materials

The following are for reference only; changes and adjustments are expected, as the needs and circumstances for the weeklong intensive will be different.

At +arts (Plus Arts), the following points are considered when creating educational materials:

1. Thorough research on the disaster in question as valuable reference.
2. The end product needs to be fun and engaging!
3. There should be more than one incentive, ideally several different ones, for users to participate in, or utilize the educational materials.

About +arts (Plus Arts): a non-profit organization founded in 2006 by Hirokazu Nagata that works on social innovation in the fields of education, community building, disaster preparedness, social welfare, environment, and international cooperation through a creative lens ('plus arts'), working together with artists, designers, animators, and other creatives.

game ~~create~~ designers

Website: <http://www.plus-arts.net/> (in Japanese language only)

Sample Educational Materials Created by +arts:

- 1) Emergency! Kaeru Caravan!
- 2) Red Bear Survival
- 3) Tossa no Hitokoto

1) Emergency! Kaeru Caravan by +arts

- Family-oriented disaster drill program that takes place together with a popular toy exchange program
- Participants learn practical skills such as using a fire extinguisher, organizing a water bucket brigade, and making and using a makeshift stretcher, through engaging games in a fun environment
- The activities were developed after listening to the survivors of two major earthquakes in Japan, the 1995 Kobe Earthquake and the 2011 Tohoku Earthquake.

Program Website: <http://kaeru-caravan.jp/en.html>

1) Bringing in Used Toys
Children bring in gently used toys that they no longer play with, and receive a certain number of "Points" in exchange.



2) Redeeming Toys
Using the points, the children can "buy" another toy from a selection of the gently used toys.



3) Kaeru Caravan
By participating in disaster-preparedness games, drills, even kids who did not bring toys can get points.



4) Toy Auction
Popular toys will be put up for auction, and children can use their points to bid on toys.



2) Red Bear Survival Camp by +arts

- Red Bear Survival Camp is an overnight program where families learn survival skills in a camp setting, which can also be useful in a disaster.
- Whereas Emergency! Kaeru Caravan! covers supportive measures in emergency situations, such as how to carry injured people and fight fires, Red Bear Survival Camp provides an opportunity to acquire skills to live through a disaster. Participants can more clearly imagine the lives of evacuees at camp sites, where they have to live with limited resources and fewer amenities than they might be used to.
- This program came about after research showed approximately 470,000 people evacuated to around 2,000 shelters when the Great East Japan Earthquake occurred, suggesting that such skills can be useful for many people in a disaster.
- Children earn badges for each accumulated skill, akin to the Boy/Girl Scouts in the U.S.

Program Website: http://red-bear.org/?page_id=36/ (in Japanese language only)



(C) Ayumi Sakamoto



(C) +arts



(C) +arts

3) Tossa no Hitokoto – What Would You Say? What Would You Do in an Emergency by +arts & Save the Children

- Tossa no Hitokoto is an educational material on disaster risk reduction in manga (Japanese comics) form.
- Each manga story has three scenes, and the last scene contains a blank word balloon. Readers are asked to think of a phrase to fill in the balloon.
- Manga stories enable children to place themselves in different emergency situations and understand how they would feel. By thinking of what to say and what to do, children are encouraged to act on their own in times of disaster.
- The materials were created based on interview with fifty people in Iwate and Miyagi Prefecture who were affected by the Great East Japan Earthquake and Tsunami in 2011.

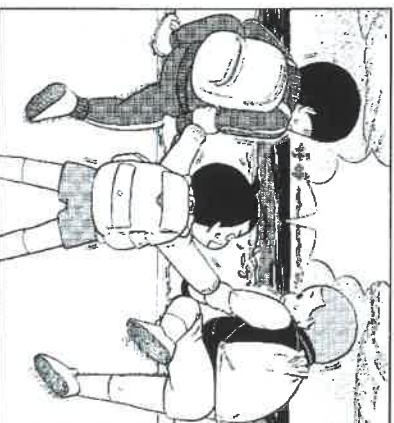
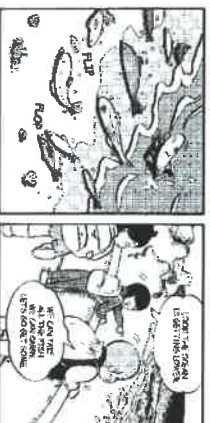
Program Website: <http://www.plus-arts.net/tossa/>

Plot:

- (1) Minato and his friends, Daichi and Shintaro, are taking a walk along the beach. They see the oceans waters are suddenly receding. The tide is ebbing. A lot of fish are splashing around on the beach.
- (2) Shintaro notices, "Look! The ocean is getting lower." Daichi says excitedly, "We can take all the fish we can carry. Let's go get some."
- (3) Shintaro and Daichi are about to climb up the dyke to get some fish, bush Minato grabs their arms and says, "

Samples Phrases:

- "Don't go!"
- "A tsunami is coming!"
- "We have to leave here right now!"



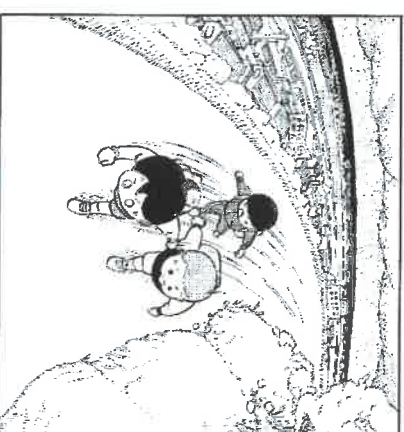
Save the Children x 12715

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[Earthquake and Tsunami]

Staying away from the Ocean and Rivers

- ▶ When the ocean's water is receding fast, a tsunami is coming.
- ▶ Be careful! A tsunami may be coming even when the ocean level does not drop.



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