

+*arts*

Incorporated non-profit organization Plus arts

+ arts Basic Principles

Existing, various fields in society
(Education, welfare, environment,
Disaster, and crime-prevention ...)

+ arts →
(+creative)

To solve the problem
of social issue

+arts(+creative) thinking

※ +arts is not an old-fashioned form of arts.
It is a new concept, including modern art's
variety of descriptions and design and
architecture.

**January 17, 1995
5:46 a.m**

**Great Hanshin-Awaji Earthquake
occurred**

**The city collapsed
Over 6400 people were killed**

Post-quake Situation in Kobe

















Collapsed houses in the post-quake period









**Inside houses
in the post-quake
period**







**Rescue activities
by neighborhood
in the post-quake
period**



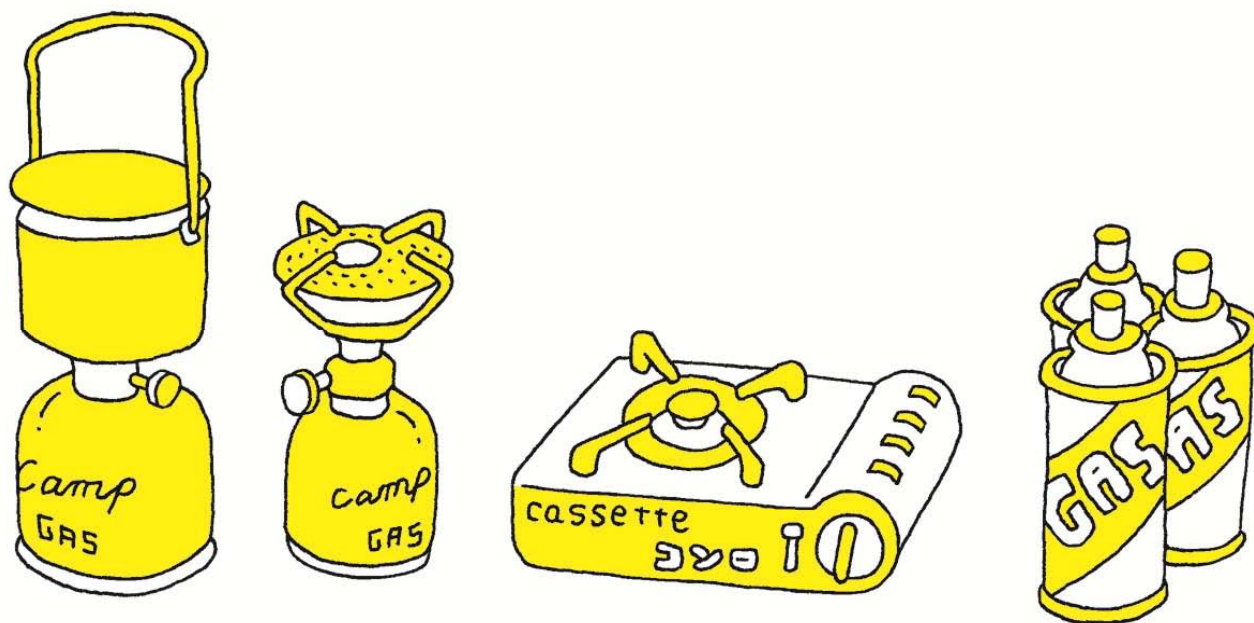




There is no water



There is no electricity and gas



There is no foods

2 ~ 3 日 (6 ~ 9 食) 分



There is no light
(Around is dark)



everyone can not be contacted





IZA!

KAERU CARAVAN!

MESSAGE FROM 1995 AT KOBE

“IZA! KAERU CARAVAN!” Development Background



- 1 Development as the 10th anniversary project of the Great Hanshin-Awaji Earthquake
- 2 Commenced study at the request of Kobe City, Hyogo Prefecture
- 3 Collected 167 disaster victims' experiences
- 4 Picked up disaster prevention knowledge and skills, which should be passed on from disaster experiences
- 5 Developed drills and games to learn this knowledge and skills
- 6 Hold events to experience the drills and games developed

Study regarding “Disaster-prevention Lesson”

1 Internet



2 Disaster experience notes



Study regarding “Disaster-prevention Lesson”

3 Earthquake Museum



4 Interviews of disaster victims



“Earthquake Note for Always”

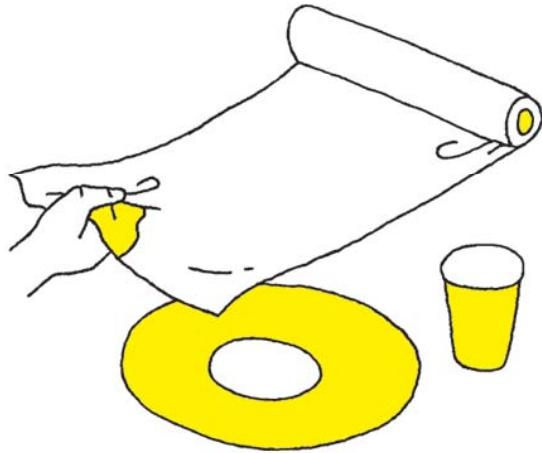


Disaster prevention emotion
manual based on interviews of
167 disaster victims of the
Great Hanshin-Awaji
Earthquake

Earthquake Project for Always: Editing
Tomohide Atsumi: Supervising Editor
Bunpei Yorifuji: Illustrations

Disaster-prevention emotional manual “Earthquake note for always”

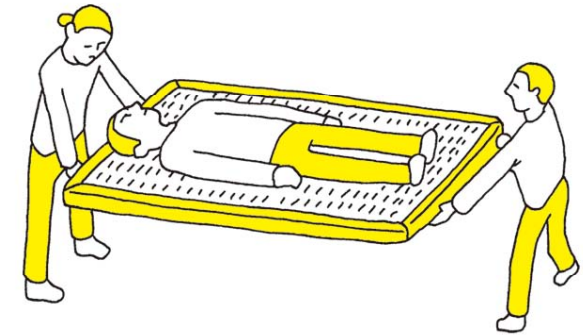
Disaster-prevention related knowledge and skills taught by disaster victims



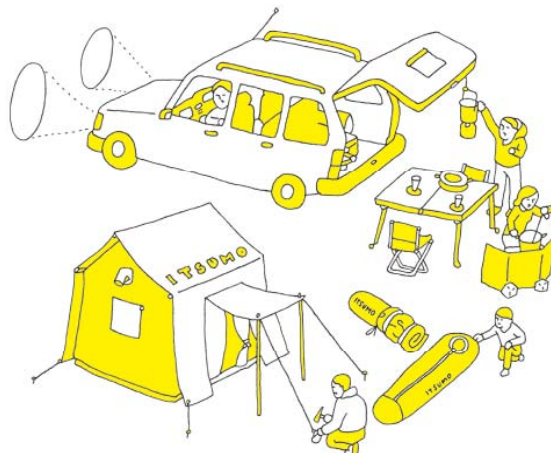
Open cling film over the plate



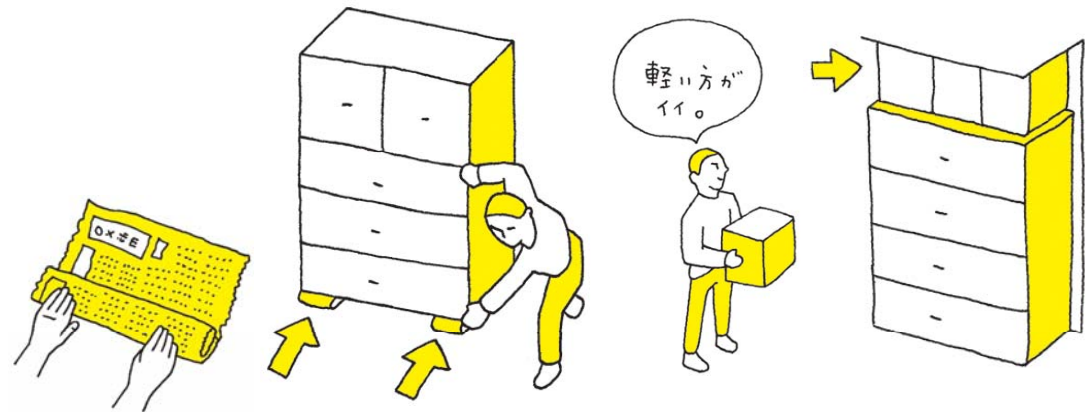
Car-jack was useful



Carry everything all over the place



Camping every day outdoors is disaster prevention



Various methods to prevent furniture falling over

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Introducing disaster-prevention drill program

Research
Study
Interviewing



Skill

Knowledge

+ *arts*

Target shooting game with water extinguisher



Have an extinguisher ready

“Fire will spread and cannot be extinguished except at an early stage.

Have an extinguisher in each household, and remember how to use it.”



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CARAVAN!

Target shooting game with water extinguisher



Target shooting game with water extinguisher

*Introducing other two types of “targets”

① Bent steel-sheet type

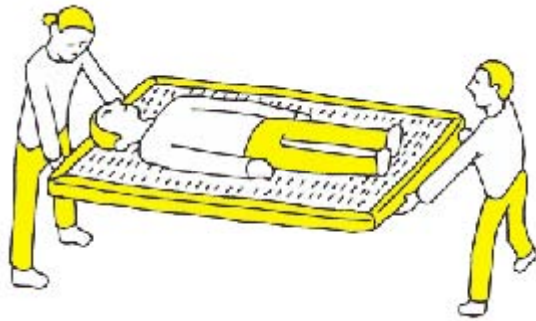


② Tumble doll type



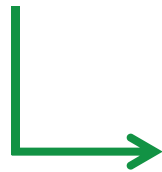
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CARAVAN!

Blanket stretcher time-trial



Carry anything all over the place.

“Carry anything all over the place with a blanket, tatami-mat (at home), or a door.”

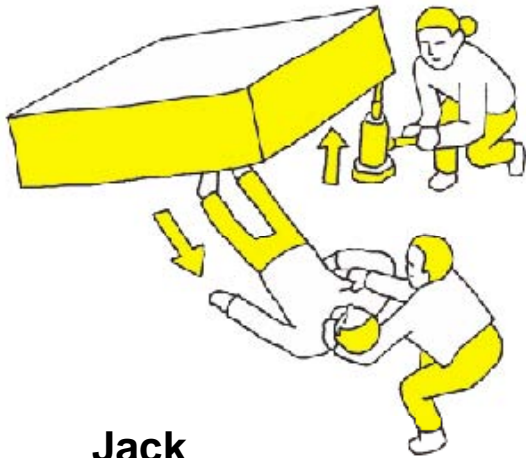


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Blanket stretcher time-trial

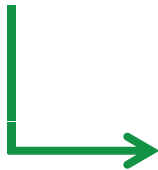


Jack-up game



Jack

“Break with a hammer. Saw, crowbar, hammer, jack were useful. When you trade a used car for a new one, leave a jack in the used one.”

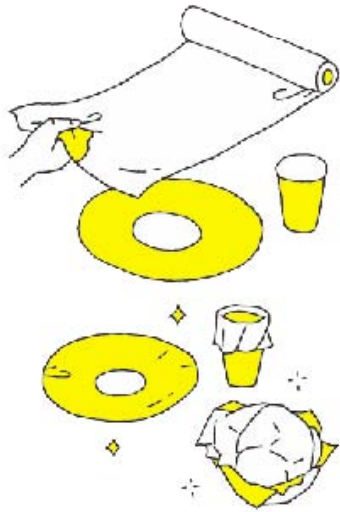


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Jack-up game



Paper tray making

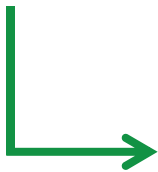


Open cling film over the plate

“Put cling film over the plate so there’s no need to wash it.”

“Re-use paper cup and paper tray by putting cling film over them.”

“Use aluminum foil instead of a plate.”



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KAERU
CARAVAN!

Paper tray making















Workshop to prevent furniture falling over



Stack empty boxes to the ceiling

“Things were stacked up to the ceiling, so it did not fall over. Now, boxes are still stacked, even though they are empty. The system kitchen units are up to the ceiling, so it is like a reinforced wall.”



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Workshop to prevent furniture falling over



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CARAVAN!

Challenge bucket relay!

*All visitors participated in the program



IZA!
KAERU
CARAVAN!

Challenge bucket relay!

*All visitors participated in the program



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CARAVAN!

Kobe Disaster-prevention Exercise

*Program participated by all visitors



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Quiz – Which items to take?



Quiz – Which items to take?



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Puppet play “Otama Play”



Disaster-prevention picture story show



Original picture story show

“Water disaster picture story show”

“Fire prevention picture story show”

“Blow out the Earthquake monster!”

etc.













Original disaster-prevention card game (3 types)

- Disaster-prevention sugoroku game, "GURAGURA TOWN"
- Disaster-prevention card game, "Shuffle"



- Disaster-prevention card game, "Catfish school"



Disaster-prevention card game, “Catfish school”

● Disaster reduction card game using picture cards

Multiple disaster reduction education tools that draw out children’s vitality.



Playing a disaster reduction card game “Catfish School”

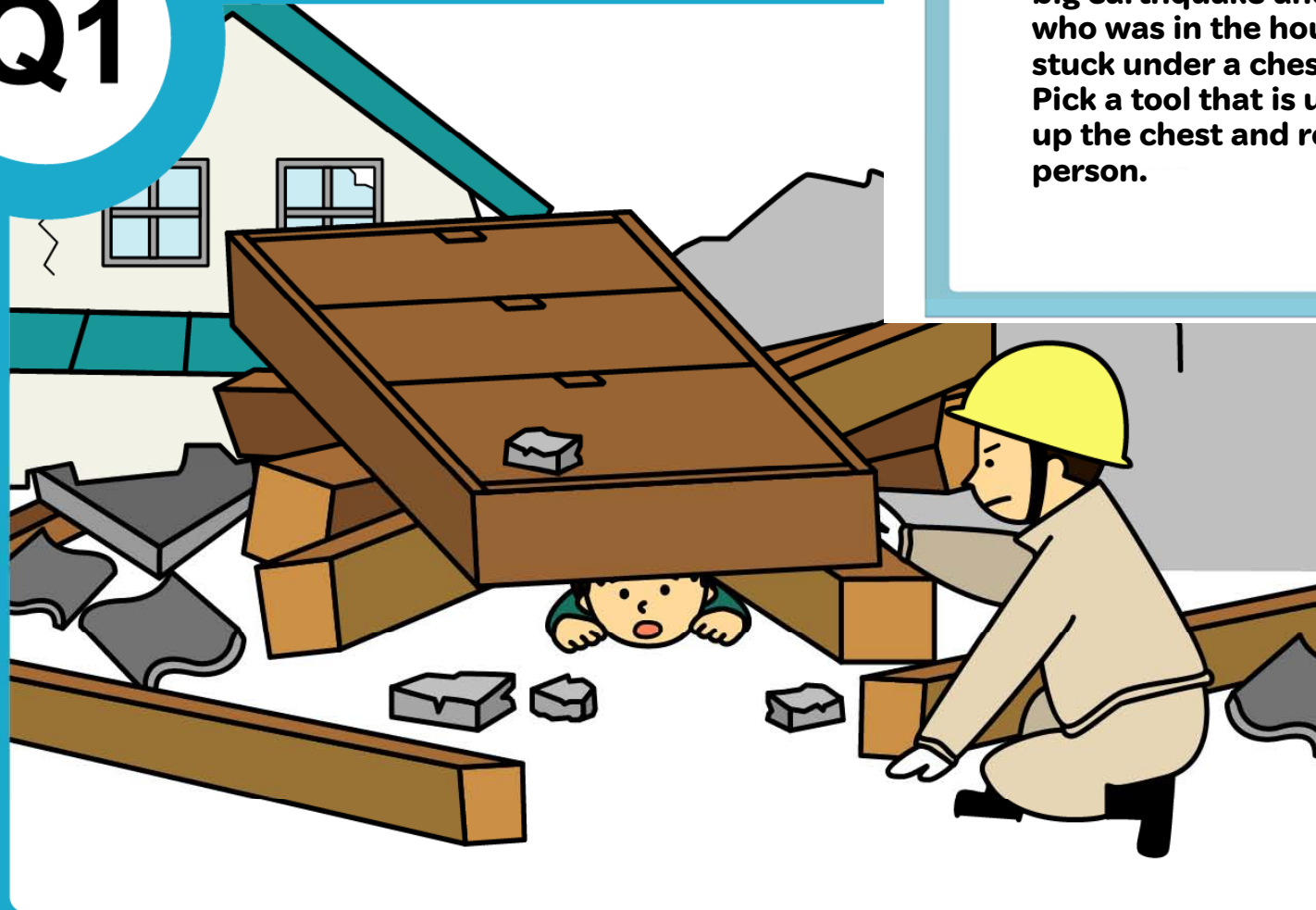


**The game master asks questions using picture cards.
5 to 10 people can play the game at a time.**



When the game master asks a question, each player picks up one of his/her answer cards in his/her hand.

Q1



Q1

Q1: A house was destroyed by a big earthquake and the person who was in the house became stuck under a chest of drawers. Pick a tool that is useful to hold up the chest and rescue the person.



Question sheet (*picture card type)



Item cards (part of all cards)

Q2



Select one you feel the most appropriate.

(1)

Hospital/Pharmacy Card **No.15**



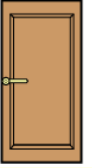
Blanket

★Clipping data for emergencies ★
This can be used to carry an injured person or keep out the cold.




(2)

Found Around Town **No.42**



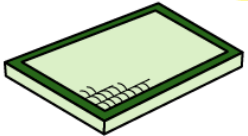
Board

★Clipping data for emergencies ★
This can be used to carry an injured person by picking out of rubble.




(3)

Found Around Town **No.43**



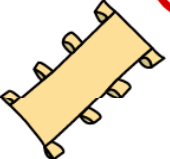
Tatami mat

★Clipping data for emergencies ★
This can be used to carry an injured person by picking out of rubble.




(4)

Community Disaster Supply Storehouse Card **No.30**



Cloth stretcher

★Clipping data for emergencies ★
This is designed for carrying a person.



(5)

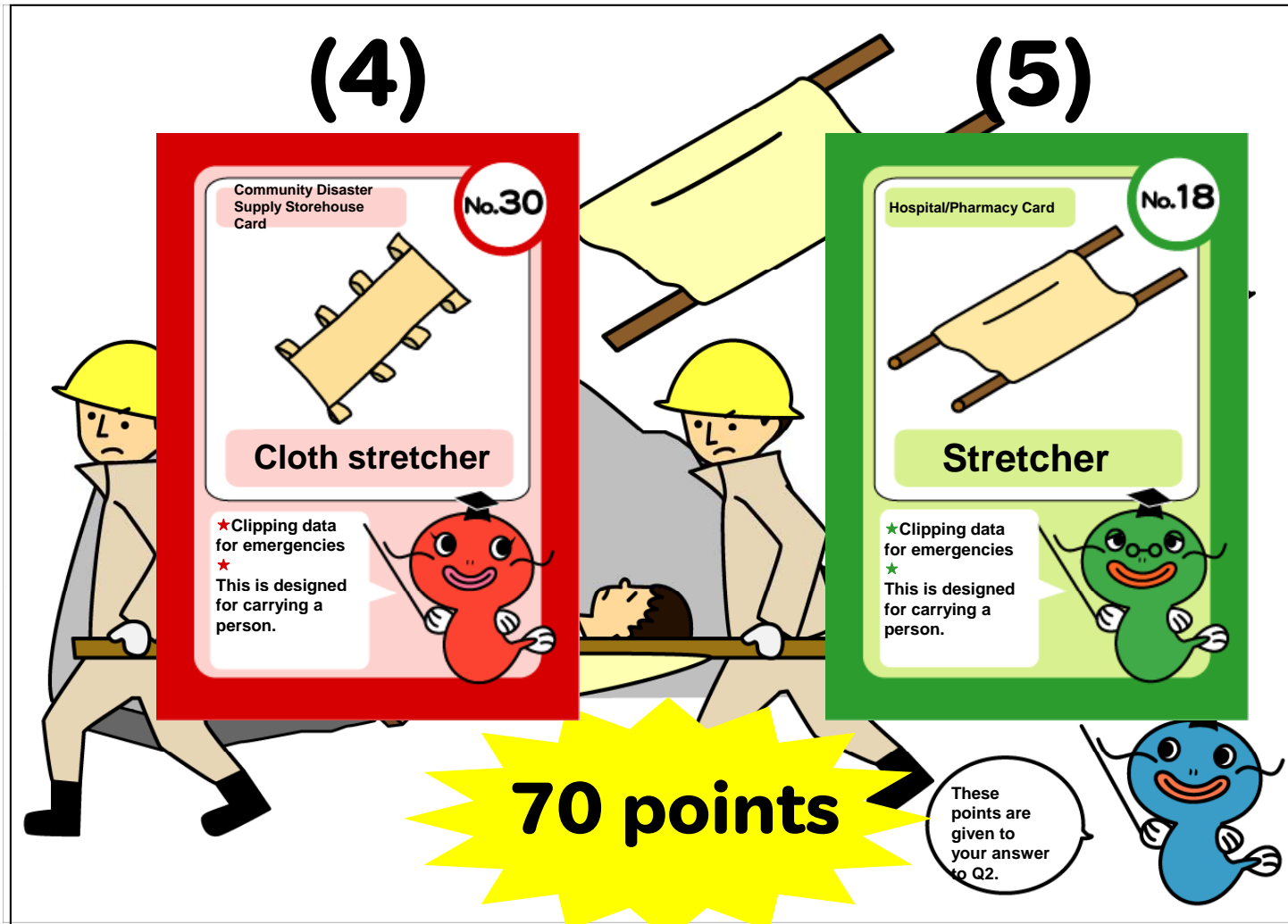
Hospital/Pharmacy Card **No.18**



Stretcher

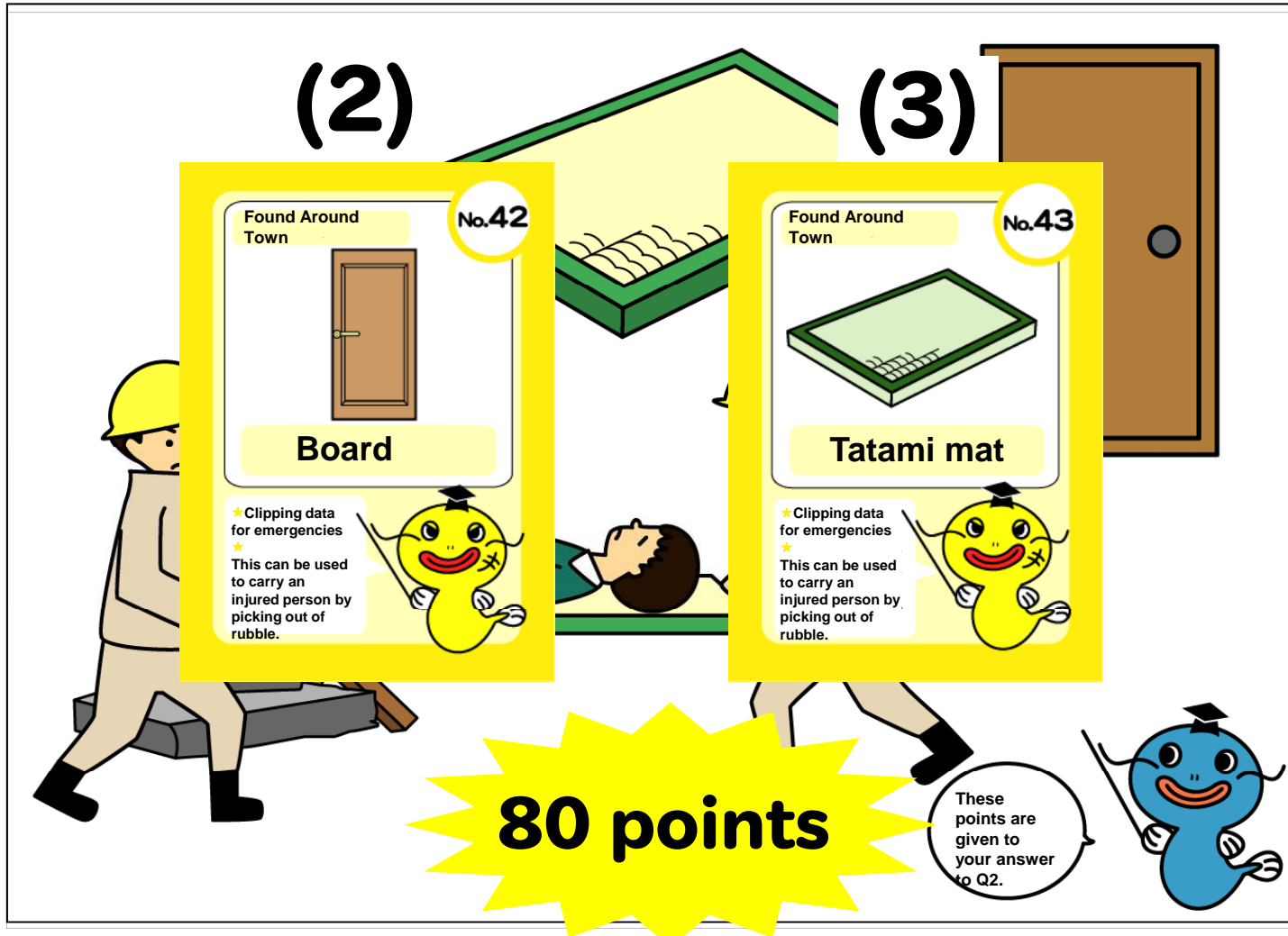
★Clipping data for emergencies ★
This is designed for carrying a person.





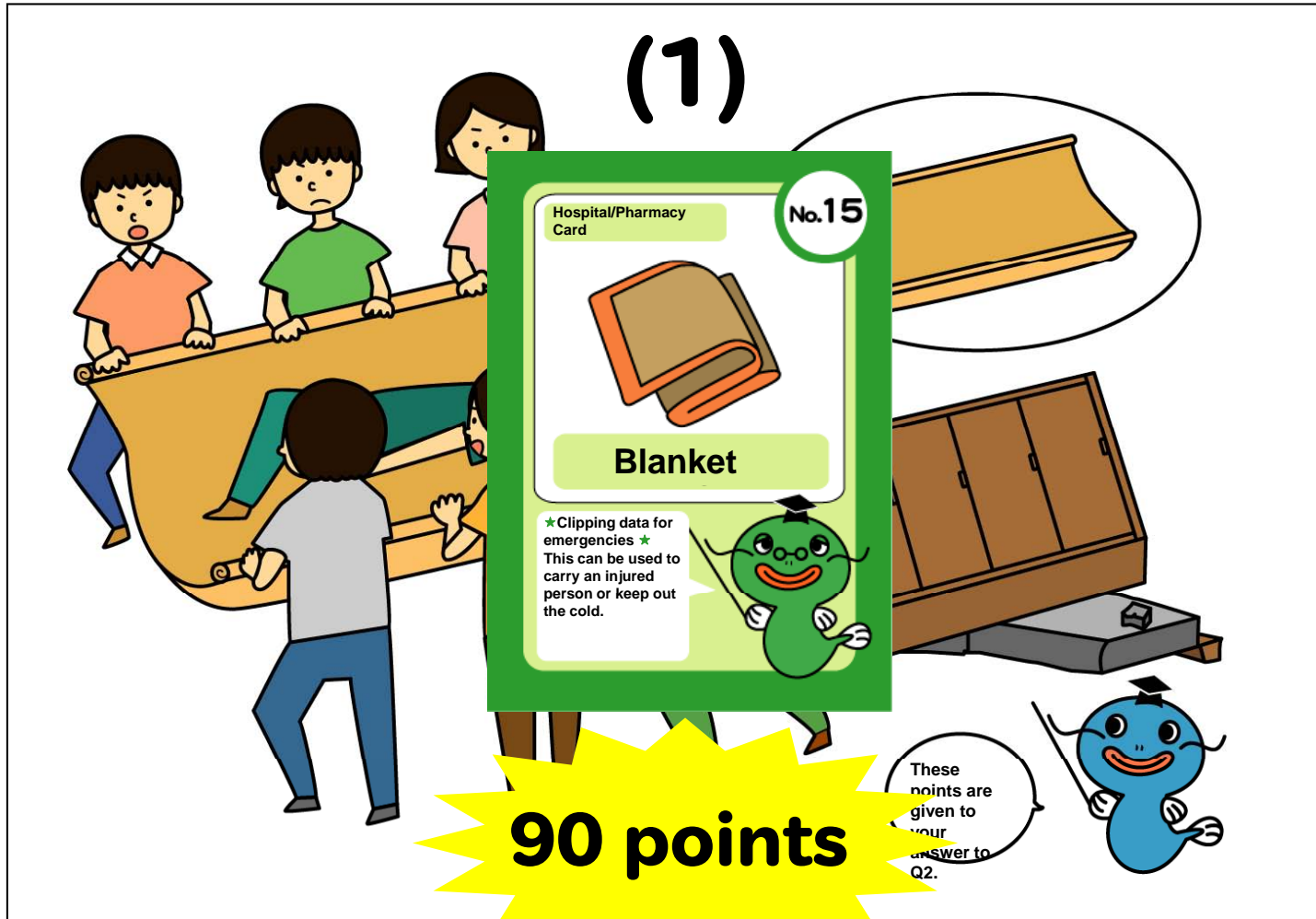
Stretcher/Cloth stretcher

These are designed for carrying people, but a limited number is available only in certain locations, such as hospitals. In disaster zones where many people have been injured, they will be hard to find in large numbers.



Tatami mat/Board

These are convenient alternatives to a stretcher that will be easy to find in the rubble. However, these items require extreme caution to prevent rescuers' injury including fingers caught between the mat or board and the ground.



Blanket

Place the victim on the blanket, roll up the edge of both sides, and use the rolled edge to carry the victim. Several people, including children, will be able to carry an adult victim this way. Blankets are found in people's homes, as well as at storehouses of government offices or schools with large stocks, and are therefore easy to find.

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Disaster-prevention card game, “Shuffle”



キッズデザイン賞受賞



KIDS DESIGN
AWARD 2010





SAVE YOURSELF CARD GAME SHUFFLE



キッズデザイン賞受賞



KIDS DESIGN
AWARD 2010



SAVE YOURSELF CARD GAME SHUFFLE

Card game in which you can enjoy and learn useful knowledge in case of disaster

Useful knowledge and skills in the case of disaster, which you can learn from this game



First Aid

- How to use AED
- How to apply a tourniquet
- Temporary treatment for broken bones



Help and rescue

- How to use an extinguisher
- Report to 119
- How to make a blanket stretcher



Disaster prevention knowledge

- How to make paper plates
- How to get the gas meter back
- How to use disaster message dial



Survival

- How to make a filter with a plastic bottle
- How to clean fish
- How to make a hammock

The Subject cards (12 cards)

 **AEDの
使いかた**
テーマ How-to: AED



倒れている人に反応がありません。
AEDで救命手当をしましょう。

 **ガスメーター
の復帰方法**
テーマ How-to: Restart the Gas Meter



地震が起こったあと、ガスが止まっ
てしまいました。復帰させましょう。

 **毛布担架の
作りかた**
テーマ How-to: Blanket Stretcher



具合が悪くて歩けない人がいます。
毛布担架を作って、運びましょう。

 **さかなの
さばきかた**
テーマ How-to: Fish Handling



食料が足りなくなってきました。
釣った魚をさばいて食べましょう。

 **止血の
方法**
テーマ How-to: Stop Bleeding



傷からの血が止まらない人がいます。
手で押さえて止血しましょう。

 **紙食器の
作りかた**
テーマ How-to: Origami Paper Dishes



地震で食器がぜんぶ割れてしまいま
した。新聞紙で食器を作りましょう。

 **消火器の
使いかた**
テーマ How-to: Fire Extinguisher



目の前で火が燃えあがるとしてい
ます。消火器で火を消しましょう。

 **ペットボトル
ろ過器の
作りかた**
テーマ How-to: Plastic Bottle
Percolator



水道が止まってしまいました。河川
の水や雨水をろ過して使いましょう。

 **骨折の
応急処置**
テーマ How-to: Bone
Fractures Handling



倒れてきたタンスで、腕を折った人
がいます。応急処置をしましょう。

 **災害用伝言
ダイヤル
の使いかた**
テーマ How-to: Emergency
Message Dial



電話が繋がらず家族の無事が心
配です。伝言ダイヤルを使いましょう。

 **ジャッキの
使いかた**
テーマ How-to: Jack up



がれきにはさまれて動けない人が
います。車載ジャッキで助けましょう。

 **空き缶ランタン
の作りかた**
テーマ How-to: Can Lantern



電気が止まり、夜はまっくらです。
空き缶であかりをとみましょう。

The procedure card (each 4 cards)

**骨折の
応急処置**
How-to Bone Fractures Handling

テーマ



倒れてきたタンスで、腕を折った人がいます。応急処置をしましょう。

骨折の応急処置
How-to Bone Fractures Handling



骨を支えるためのそえ木を用意します。折れた骨の両側の関節にとどく長さで、まがらないものを探します。

災害対応の塔巻

骨折の応急処置
How-to Bone Fractures Handling



折れたところが動かないよう、包帯やネクタイなどの布で、折れた骨の両側の関節とそえ木を結びつけます。

災害対応の塔巻

骨折の応急処置
How-to Bone Fractures Handling



腕が折れたときは、三角巾やふろしき、ビニール袋などを使って、圓のように首から下りつけておきます。

災害対応の塔巻

骨折の応急処置
How-to Bone Fractures Handling



長めの布で、つり下げている布を胸にしぼりつけると、より安定します。救急隊をすずかに待ちましょう。

災害対応の塔巻

**紙食器の
作りかた**
How-to Origami Paper Dishes

テーマ



地震で食器がぜんぶ割れてしまいました。新聞紙で食器を作りましょう。

紙食器の作りかた
How-to Origami Paper Dishes



新聞紙で正方形を作ります。まず角を三角に折ってすくひらき、折り目のはじに合わせて四角く折ります。

紙食器の作りかた

紙食器の作りかた
How-to Origami Paper Dishes



作った正方形を半分折って三角にします。さらに、ふちとふちを合わせて、折りすじをつけておきます。

紙食器の作りかた

紙食器の作りかた
How-to Origami Paper Dishes



折りすじに角を合わせるようにして、折ります。つぎに、圓のように角と角を合わせて折り、重ねます。

紙食器の作りかた

紙食器の作りかた
How-to Origami Paper Dishes



残った部分を、外側にひらいてできあがり。これをビニール袋などで包めば、スープやご飯が食べられます。

紙食器の作りかた

**消火器の
使いかた**
How-to Fire Extinguisher

テーマ



目の前で火が燃えあがろうとしています。消火器で火を消しましょう。

消火器の使いかた
How-to Fire Extinguisher



取っ手についている黄色い「安全ピン」の輪に指をかけ、黒いきりっぱり上げてピンを引きぬきます。

消火器の使いかた

消火器の使いかた
How-to Fire Extinguisher



ホースをはずし、安全な距離をとって、火に向けてかまえます。消火器が重かったら、置いたままでもOK。

消火器の使いかた

消火器の使いかた
How-to Fire Extinguisher



消火器のレバーをつよくにぎります。ホースから消火薬剤が出るので、火に向かって吹きつけていきます。

消火器の使いかた

消火器の使いかた
How-to Fire Extinguisher

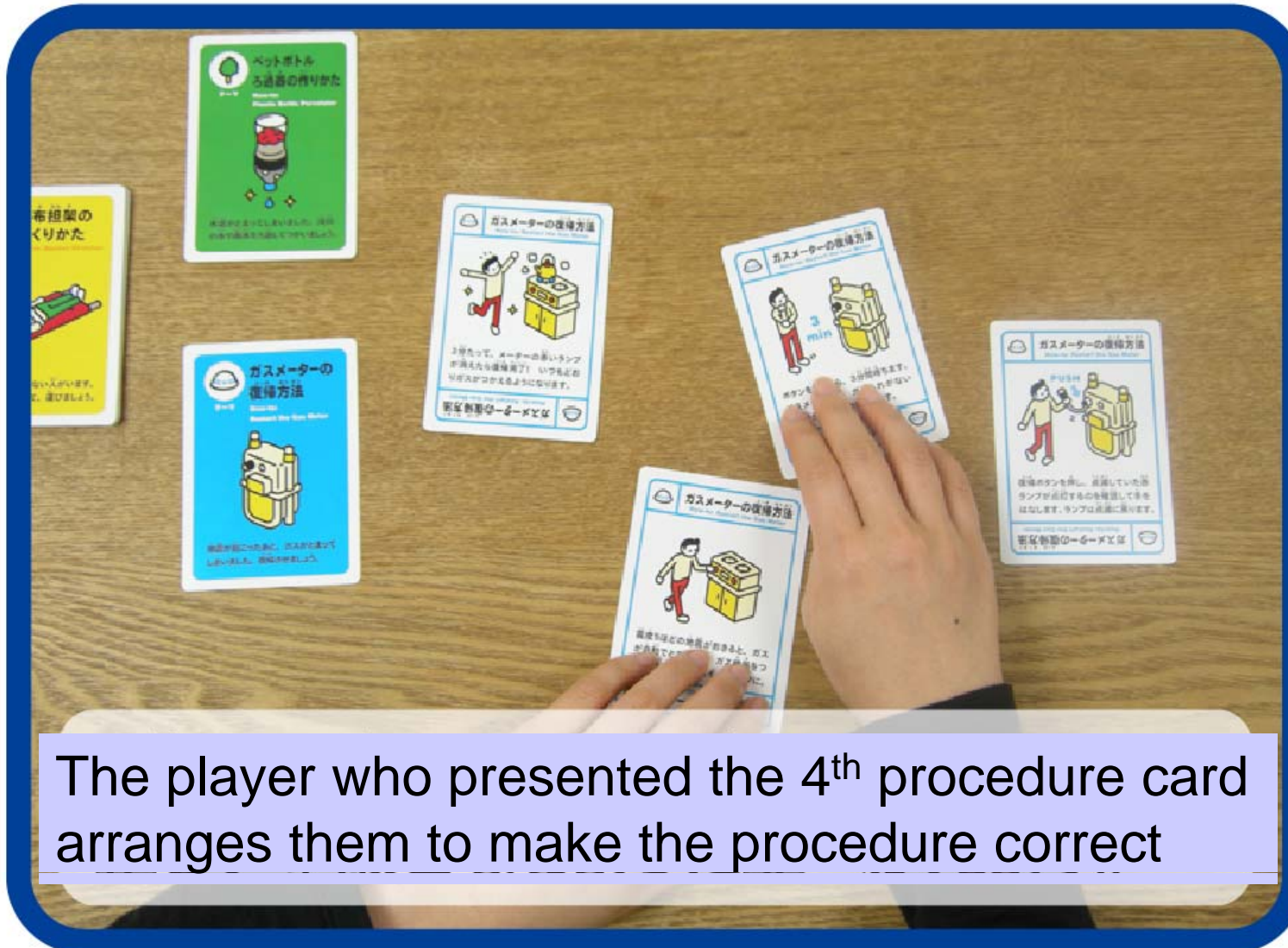


火の根もとに向けて、ほうきでくようにふりながら火を消します。消火薬剤が出る時間は10秒～数十秒です。

消火器の使いかた

Simple game instruction

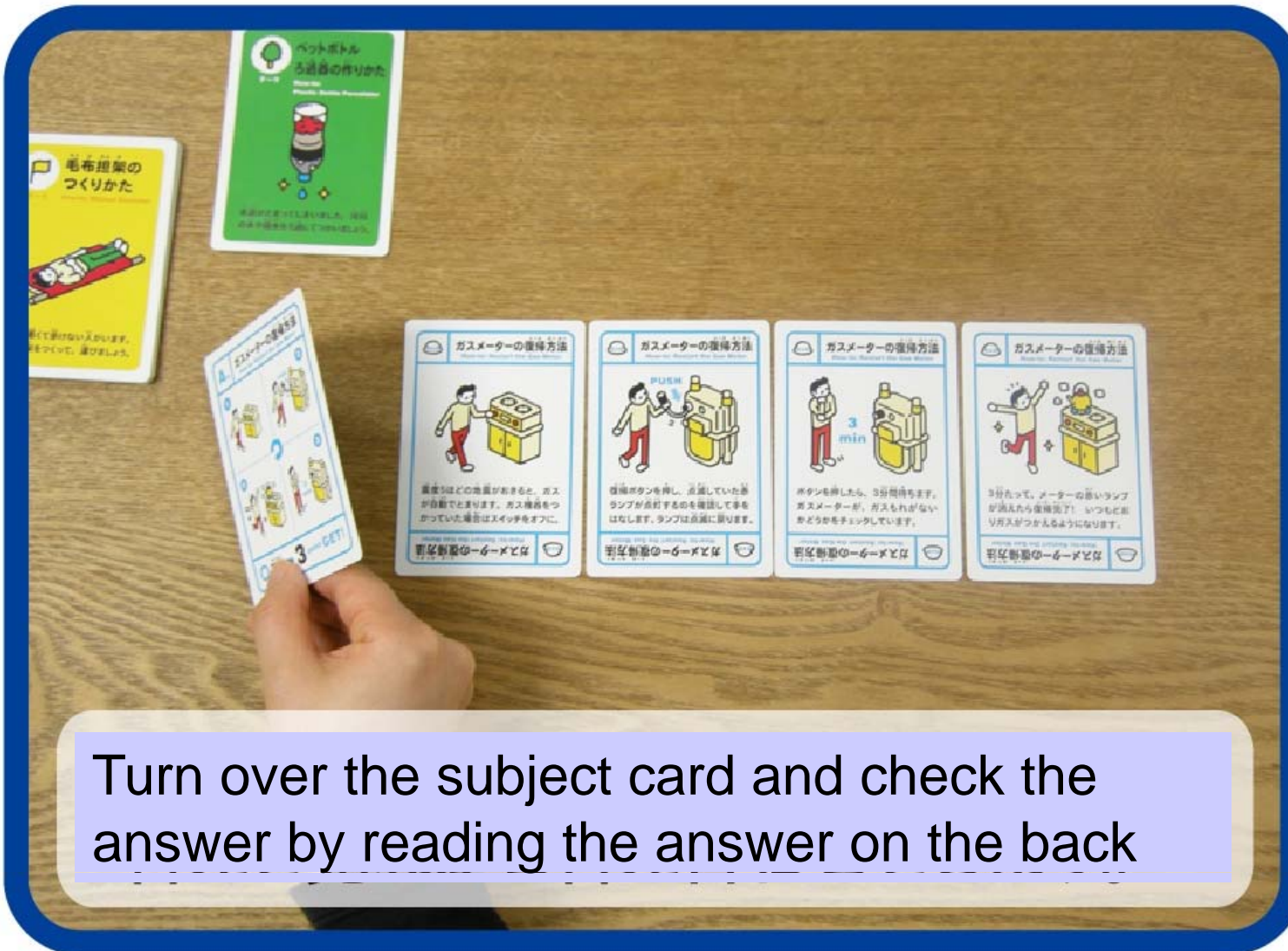
1



The player who presented the 4th procedure card arranges them to make the procedure correct

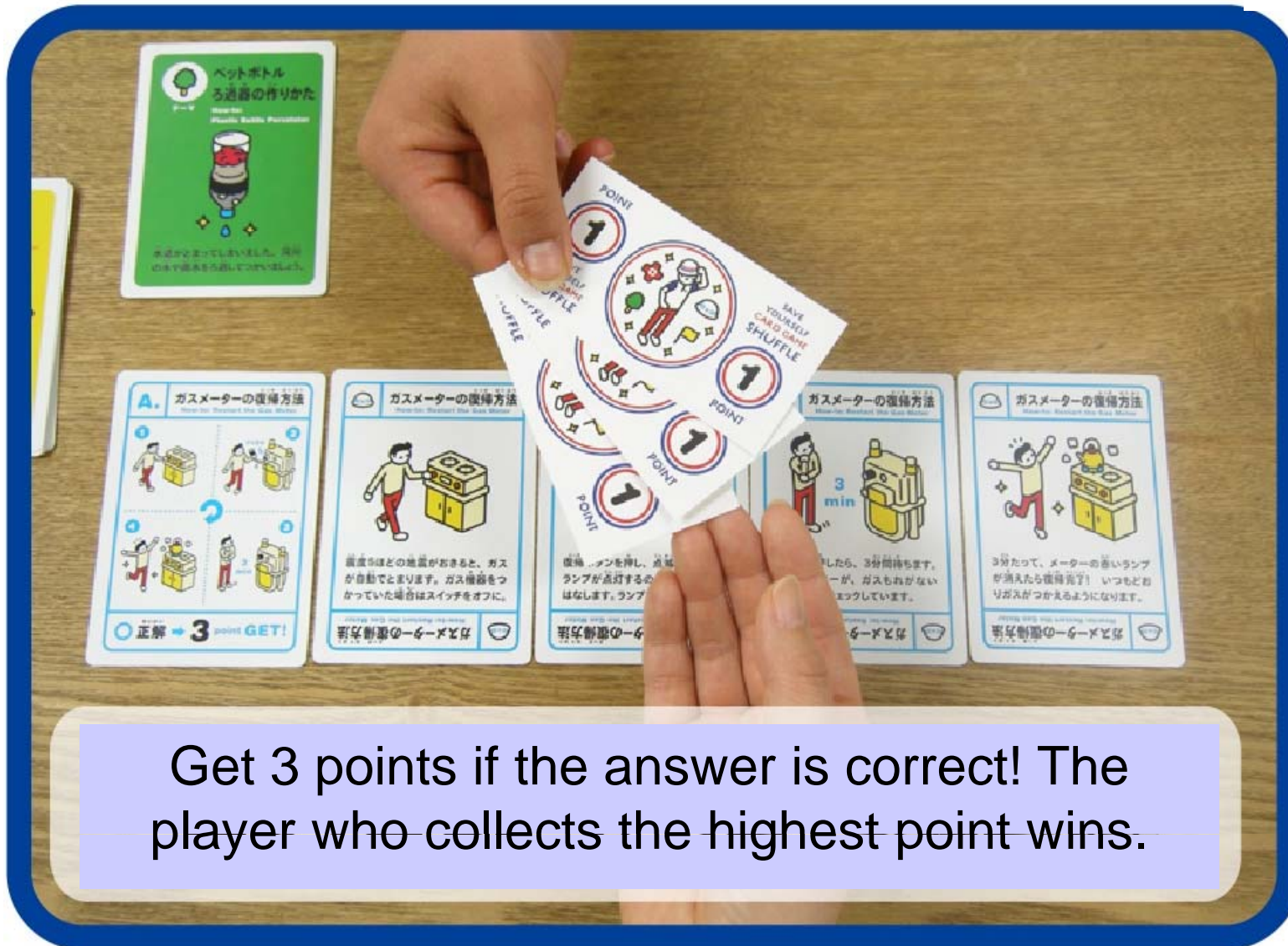
Simple game instruction

2



Simple game instruction

3



● **New** disaster-prevention card game for **TSUNAMI**

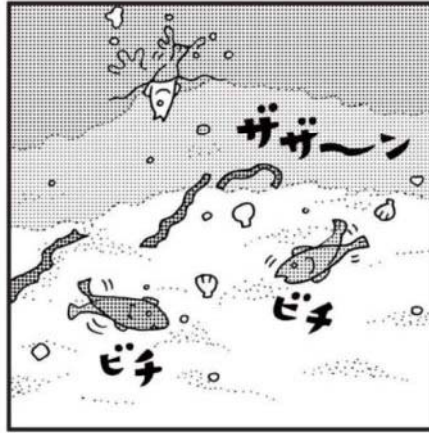
**We Collected 50 Tsunami victims in Tohoku area.
And we make the educational tool by “Manga”**













A project to convert the diaries of the survivors of the Great Hanshin-Awaji Earthquake into media aimed at children.



Clay Animation 『The dog “POCHI”』



Animation 『ORANGE』



Video Game 『KIKU-KIKU』



Illustration Panel 『To Yu』

Disaster shelter workshop

*Use personal belongings to make a shelter in which you can spend 3 days



Shelter festival + Survival camp

× Architectural-related seminar



Shelter development + Exhibition

- Akira Suzuki (Kobe Design University + Dome study group)
- Katsuhiro Miyamoto Laboratory (Osaka University of Arts)
- YKK
- mont-bell
- NPO +arts



“Iza! Kaeru Camp in Rokkomichi Minami Park” (held in September 2005)

**IZA!
KAERU
CARAVAN!**

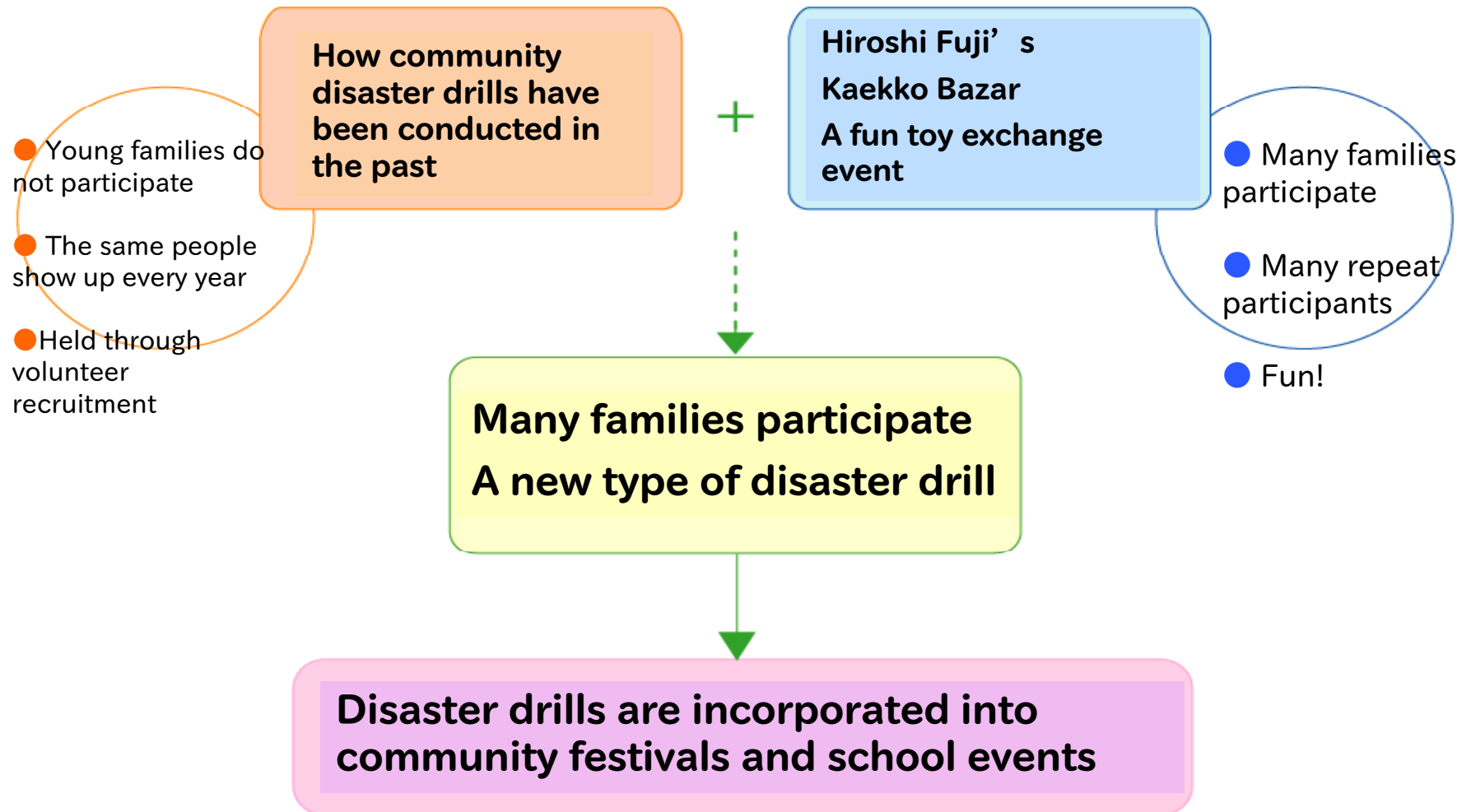
Learn While Having Fun: New Kinds of Disaster Drills “Iza! Kaeru Caravan!”



Emergency! Kaeru Caravan System

What is the “Iza*! Kaeru Caravan” ?

* “iza” means emergency



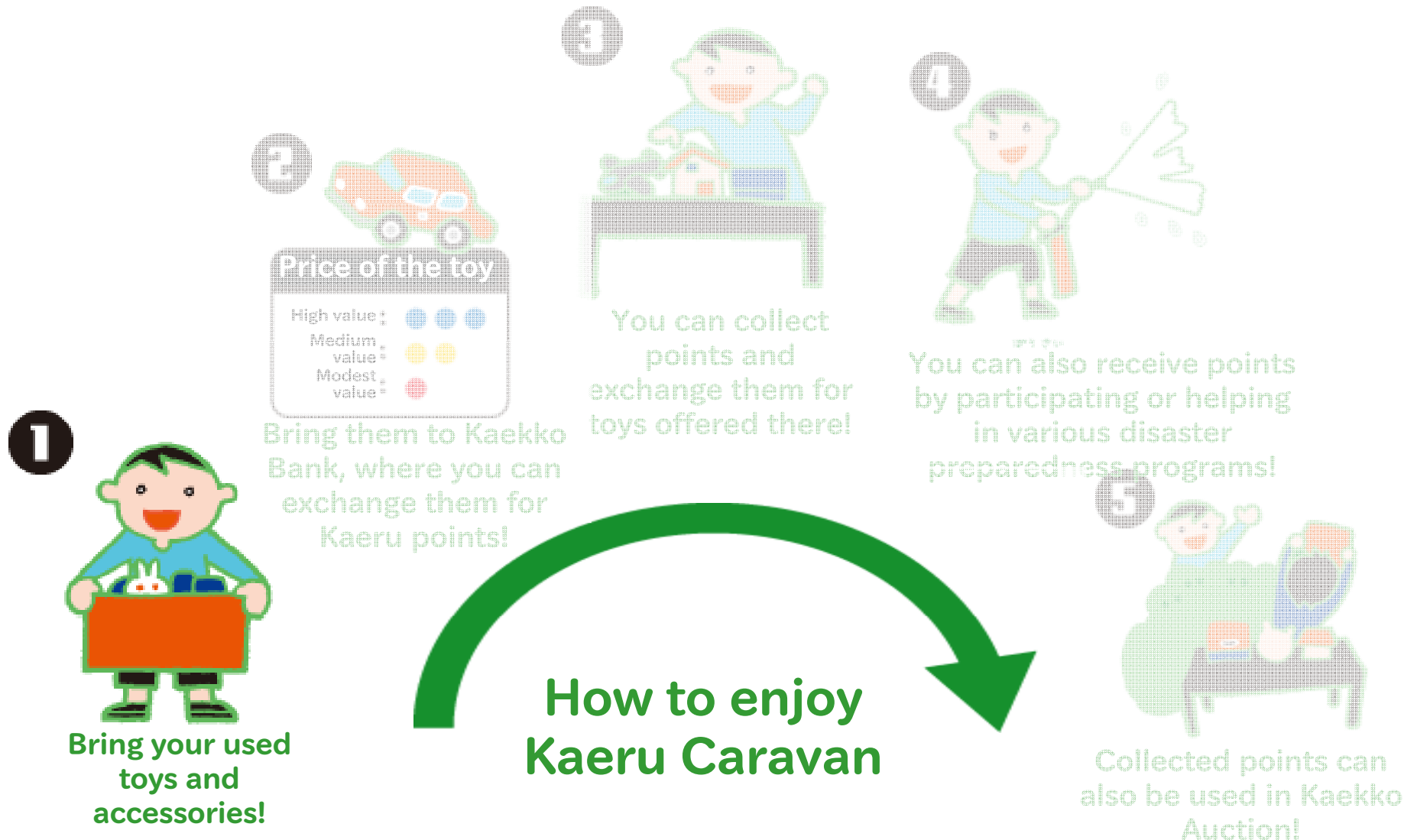
Structure of the Emergency! Kaeru Caravan





How to hold Kaekko Bazaar

Mechanism of Kaekko Bazaar

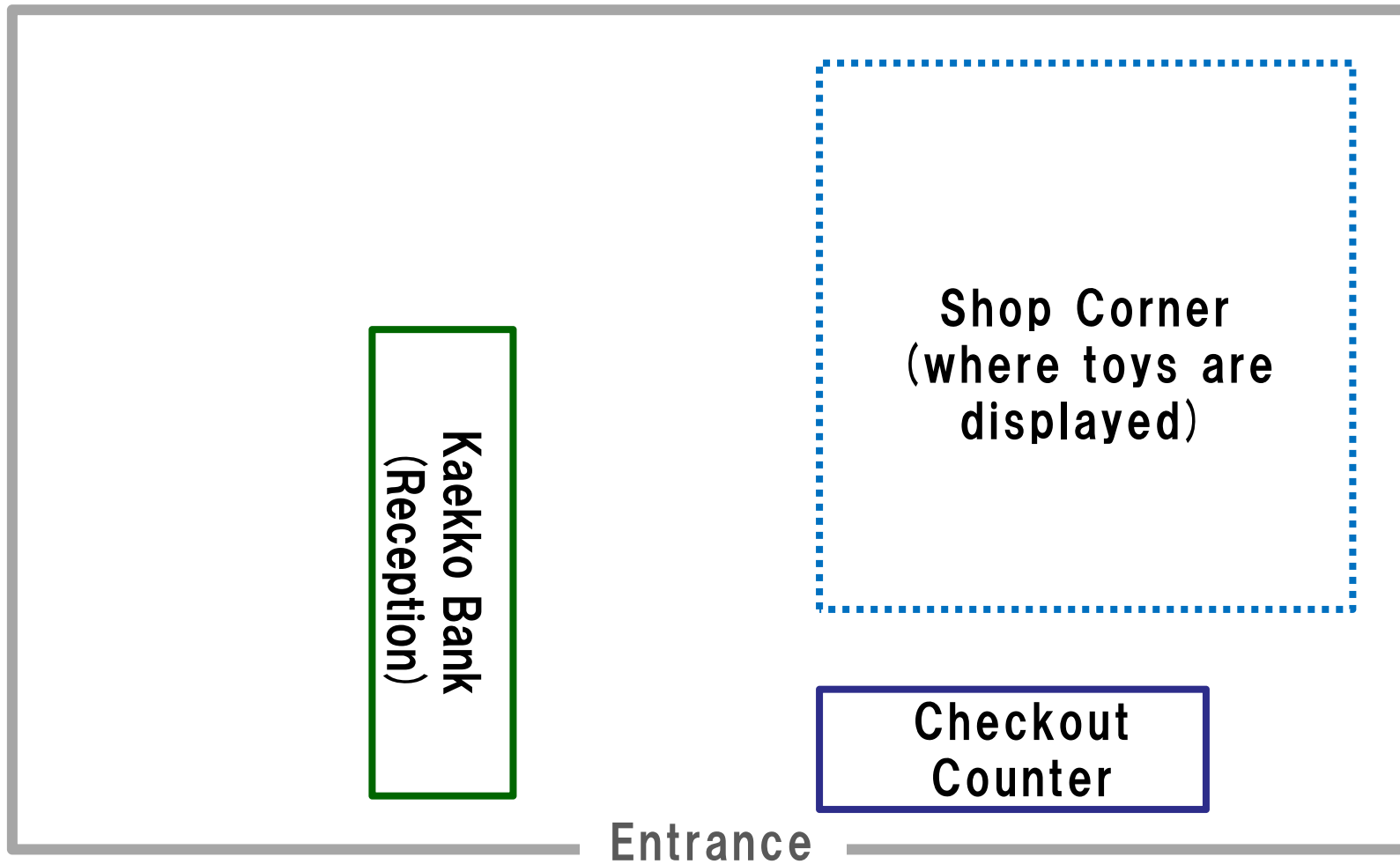


Mechanism of Kaekko Bazaar



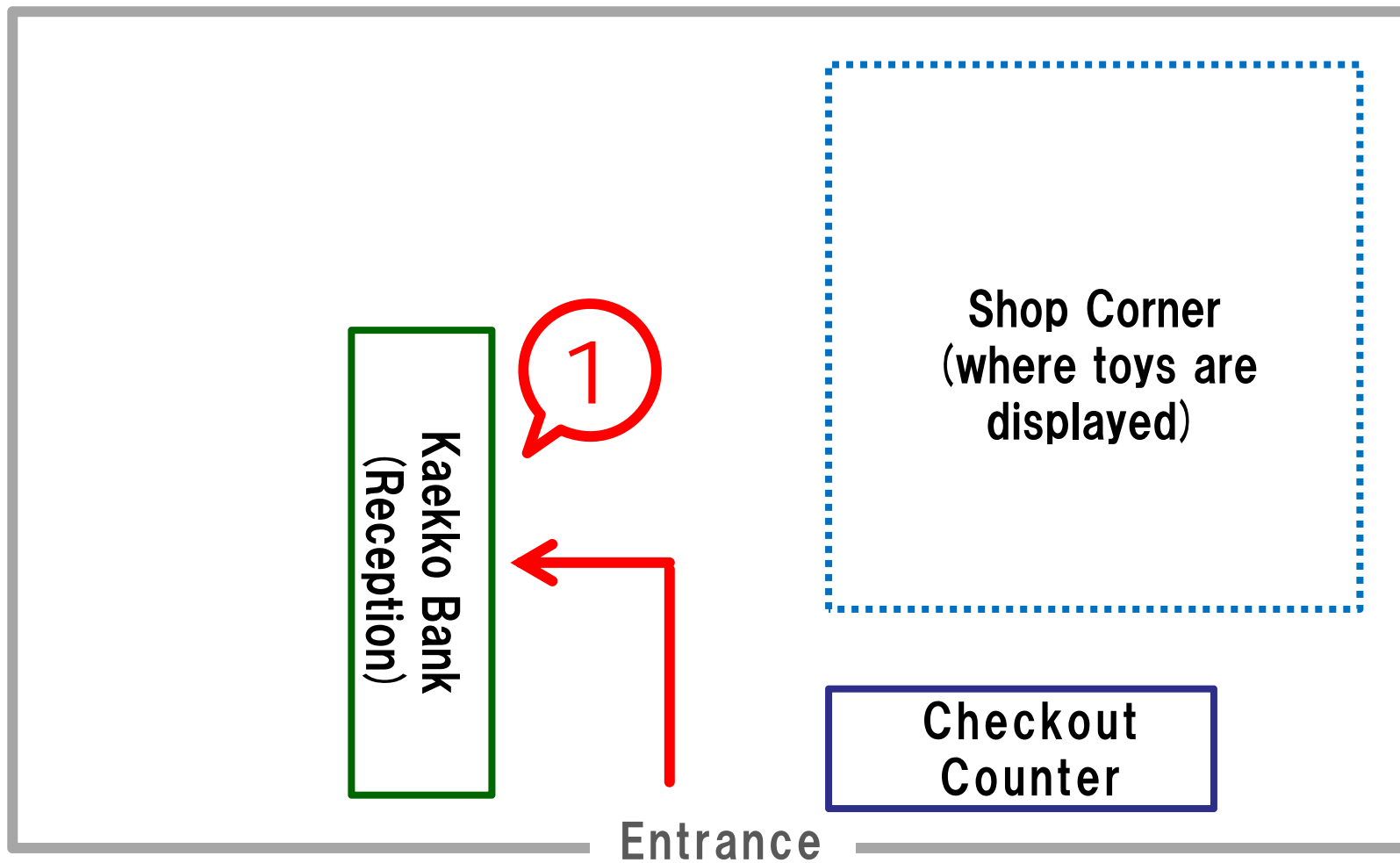


● Kaekko Bazaar Venue





● Kaekko Bazaar Venue



(1) Kaekko Bank

Evaluate toys brought in
by participants and
accordingly issue Kaeru Poi

< Evaluation standards >

Modest value: 1 point

Medium value: 2 points

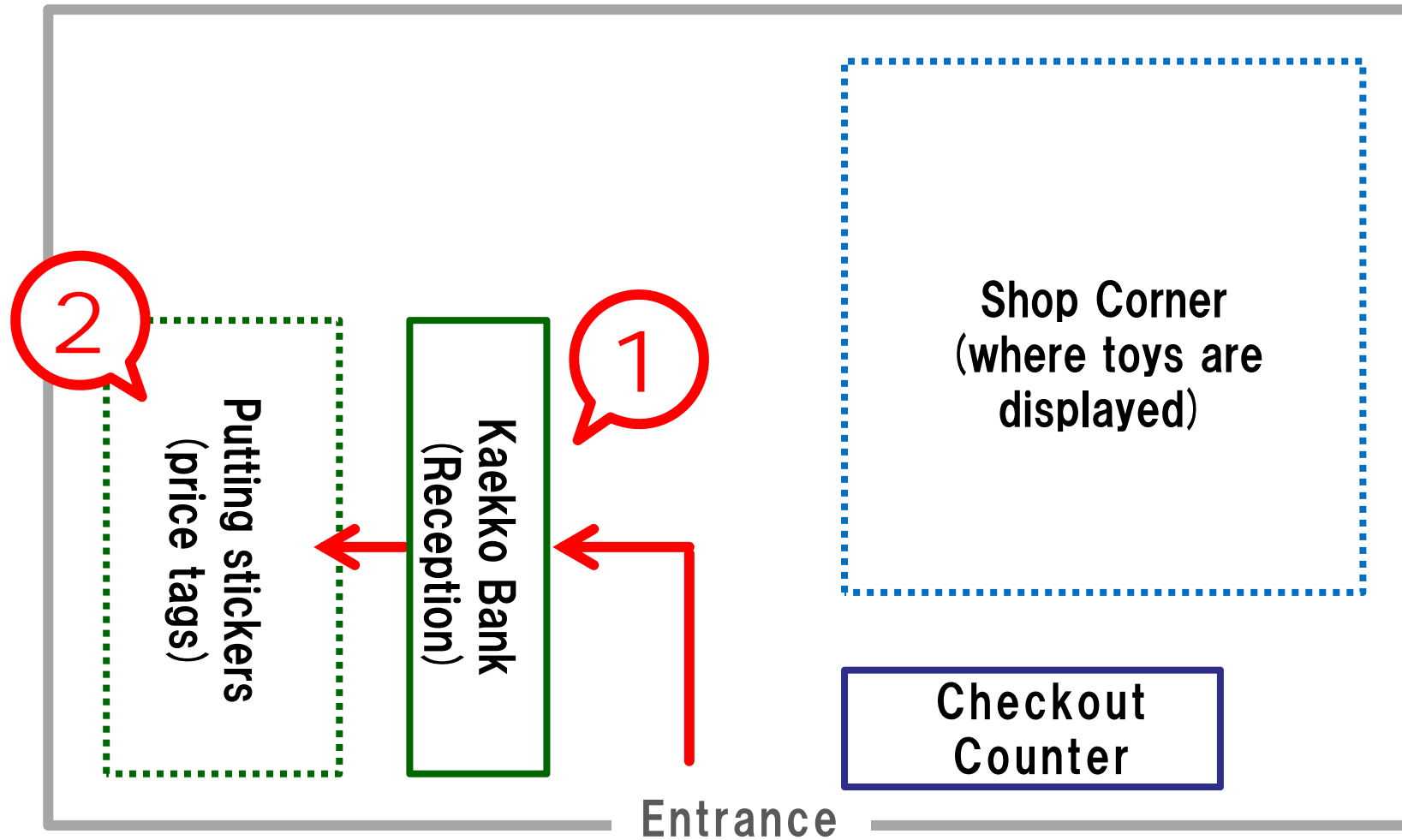
High value: 3 points

* Daily commodities and unsanitary
stuff are not to be accepted.





● Kaekko Bazaar Venue



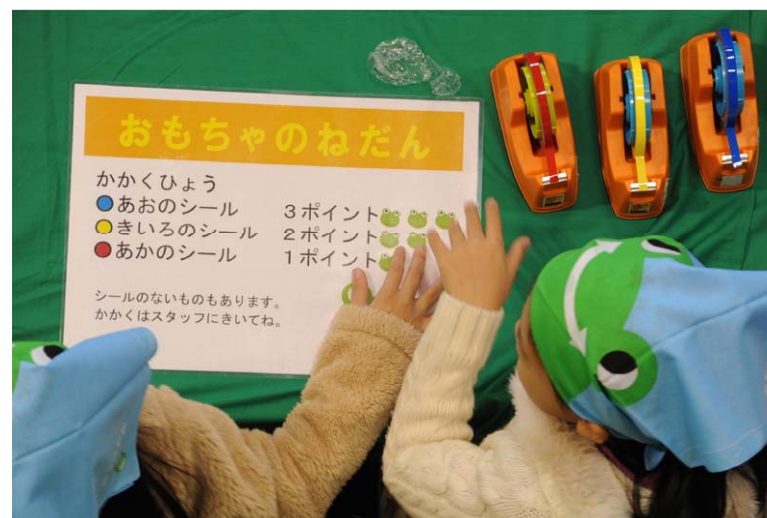
(2) Putting stickers (price tags)

Put stickers on collected toys to show their prices.

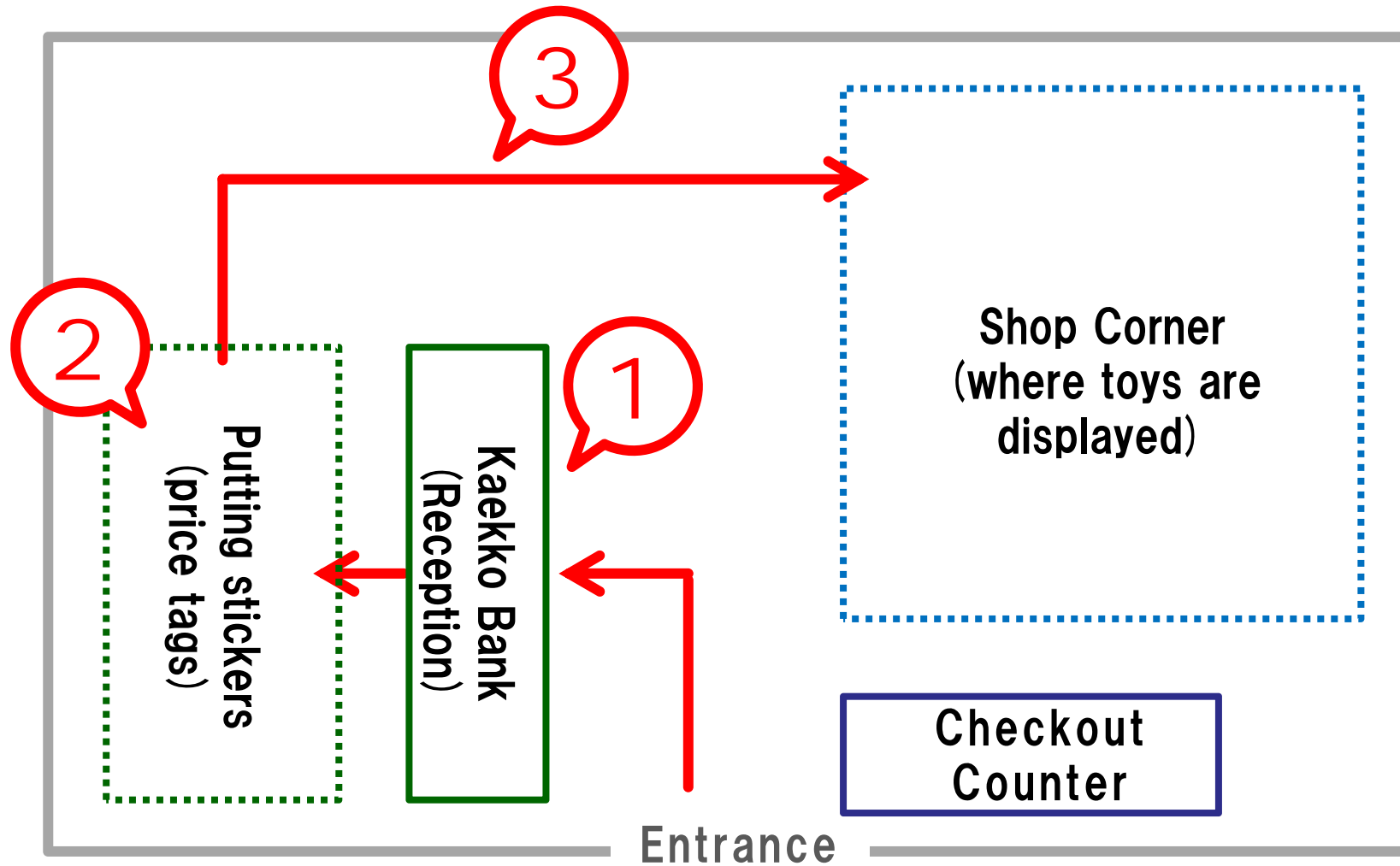
< Prices of toys >

- **Red: 1 point**
- **Yellow: 2 points**
- **Blue: 3 points**

* Prices may not correspond to bank evaluations.



● Kaekko Bazaar Venue



(3) Displaying toys on the sales floor

Display toys in the Shop Corner.



Small things should be put in baskets.
(Do not put too many in one basket.)
(About 3 in one



Stuffed animals are to be piled up.

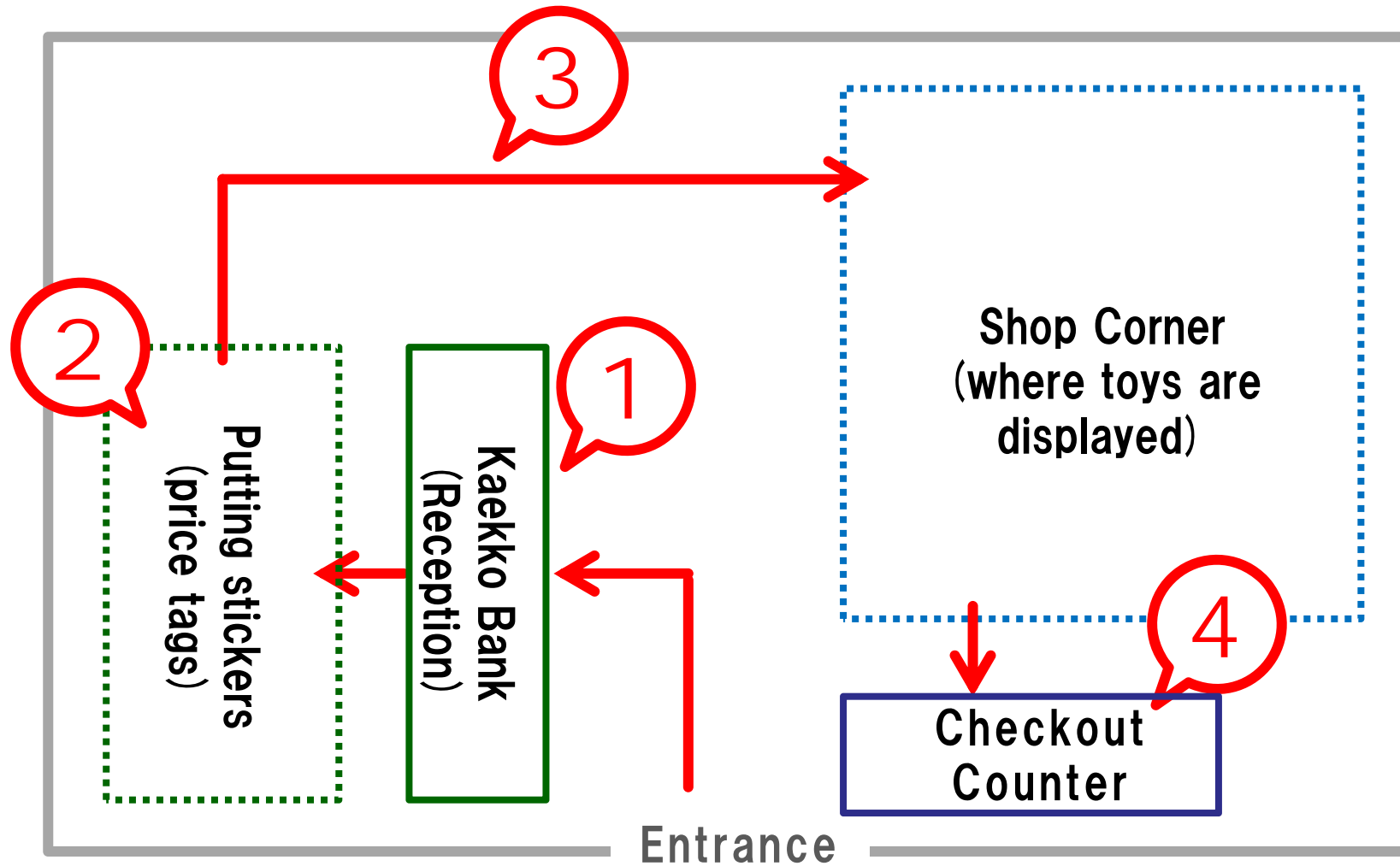


Large toys and books are to be placed on sheets.

Mechanism of Kaekko Bazaar



● Kaekko Bazaar Venue



Put as many Xs as the selling price of each toy
(on the stamp card).

< Prices of toys >

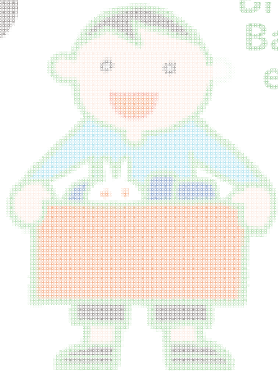
- Red: 1 point
- Yellow: 2 points
- Blue: 3 points



Mechanism of Kaekko Bazaar

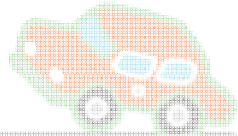


1



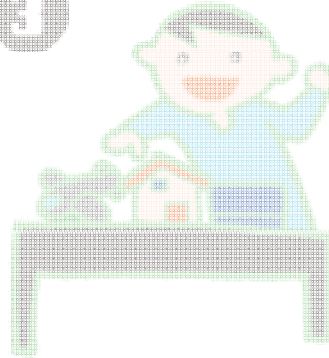
Bring your used toys and accessories!

2



Bring them to Kaekko Bank, where you can exchange them for Kaeru points!

3



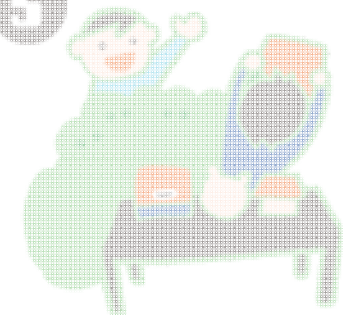
You can collect points and exchange them for toys offered there!

4



You can also receive points by participating or helping in various disaster preparedness programs!

5



Collected points can also be used in Kaekko Auction!

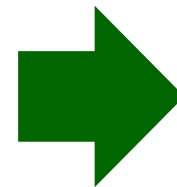


How to enjoy Kaeru Caravan

You can also receive Kaeru points
by participating in the “Experience” Corner.
(Different points for different programs: 1 to 3 poi



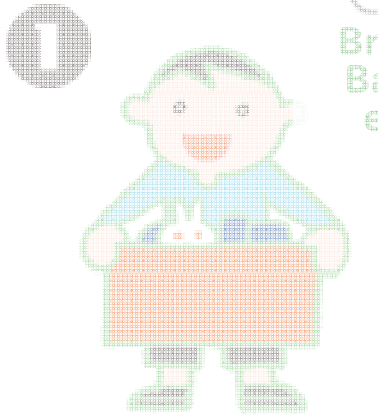
“Experience” Corner points are to be issued in the form of “point exchange tickets.”



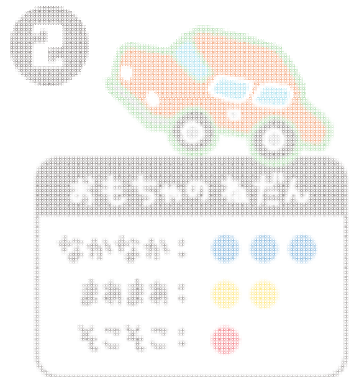
Kaeru Point
Exchange Ticket

Hand your exchange tickets to Kaekko Bank, and they will be exchanged for stamps.

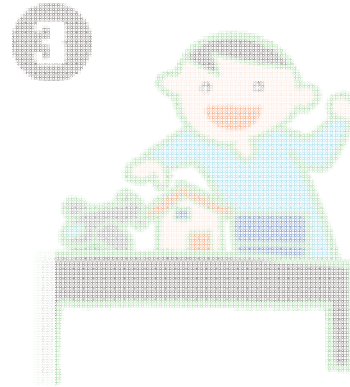
Mechanism of Kaekko Bazaar



Bring your used toys and accessories!



Bring them to Kaekko Bank, where you can exchange them for Kaeru points!



You can collect points and exchange them for toys offered there!



You can also receive points by participating or helping in various disaster preparedness programs!



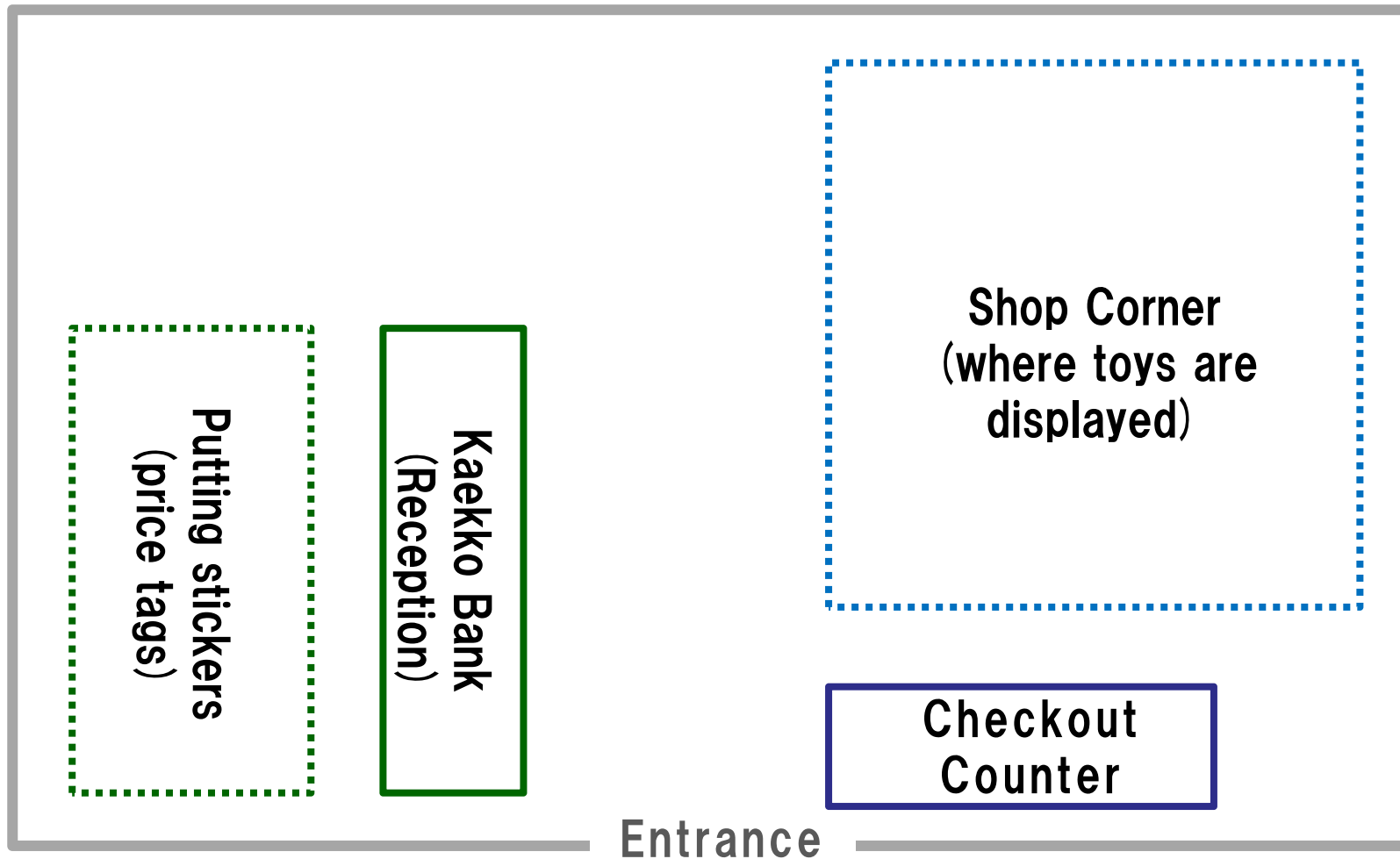
Collected points can also be used in Kaekko Auction!



**How to enjoy
Kaeru Caravan**

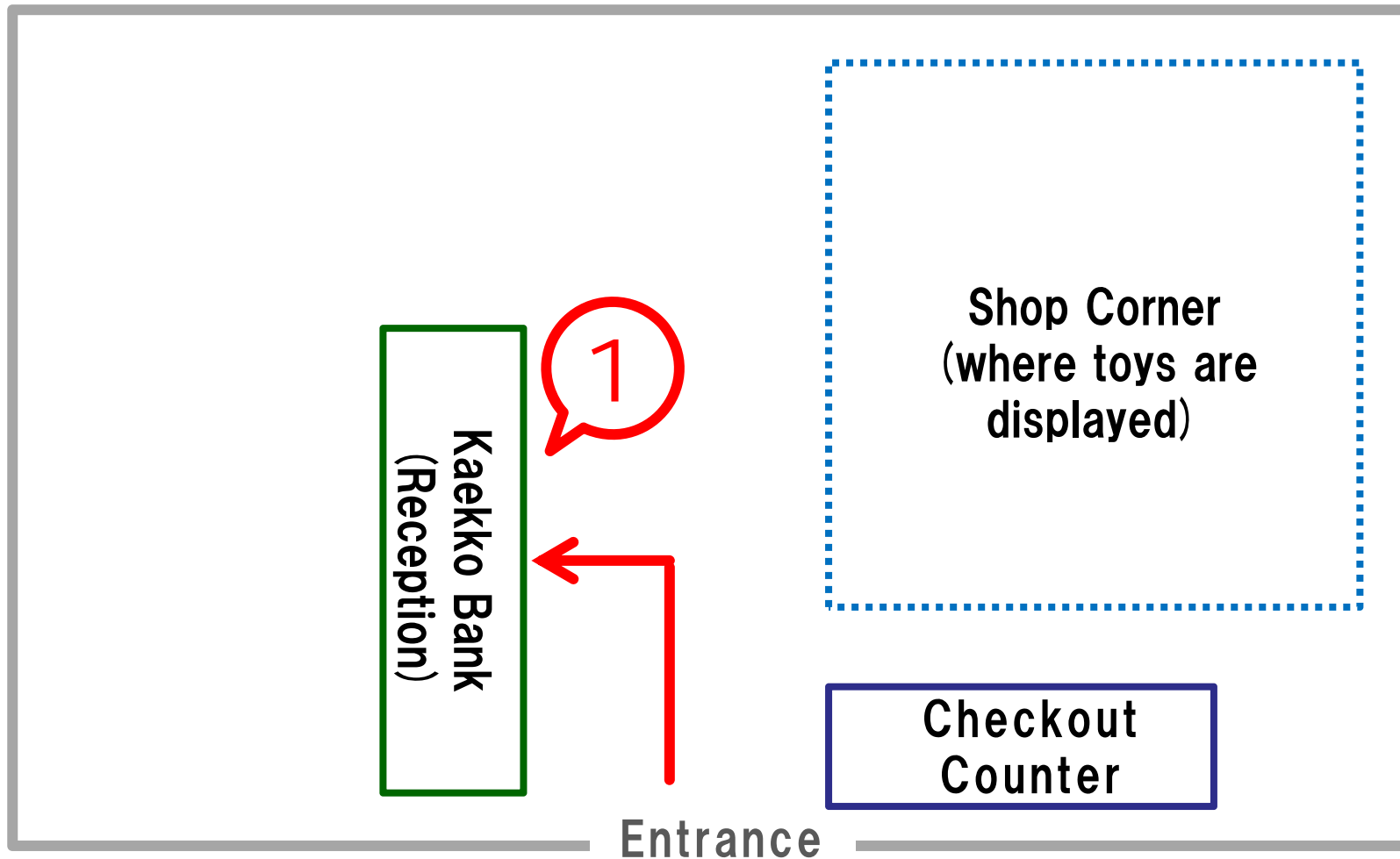


● **Kaekko Bazaar Venue**



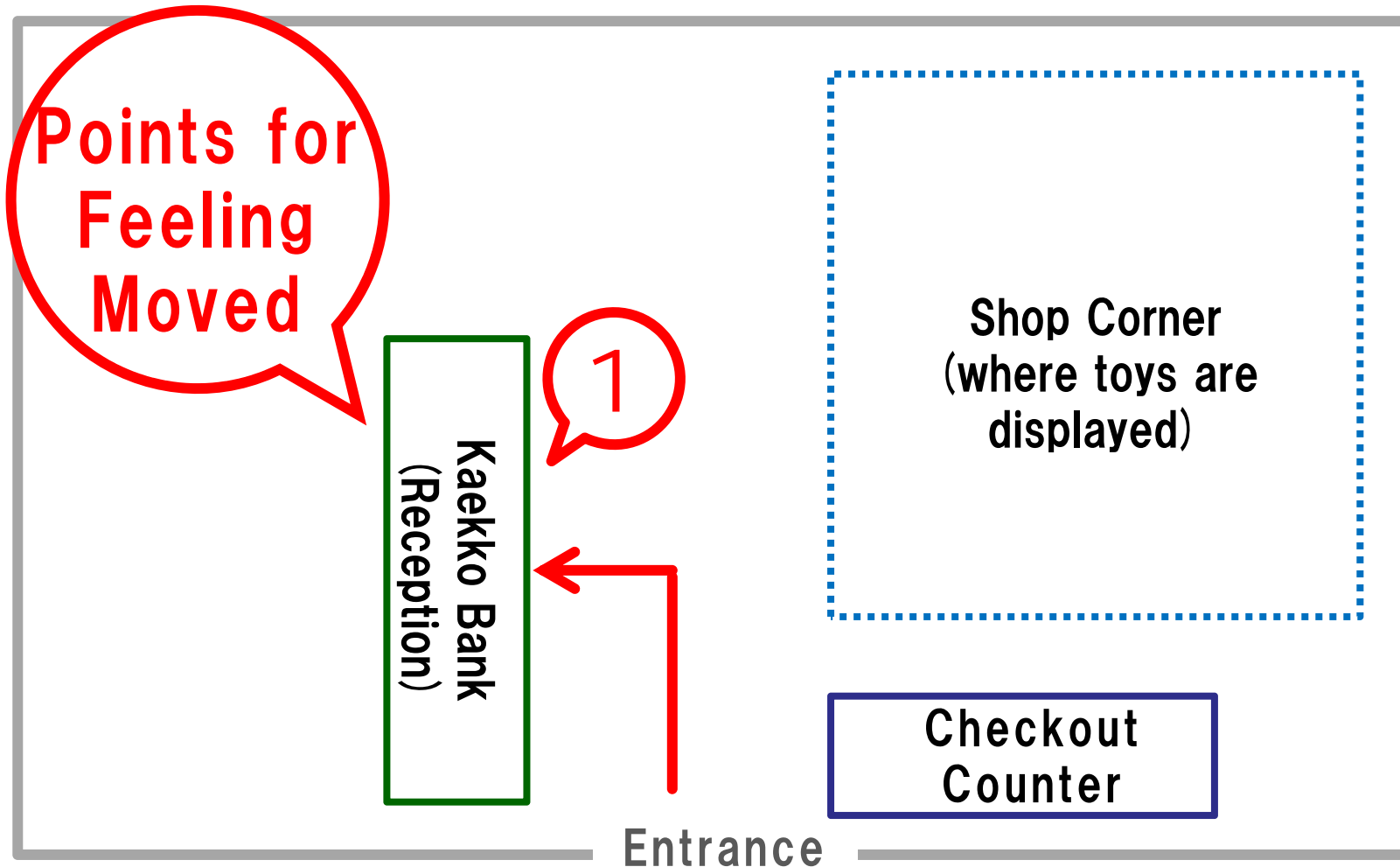


● Kaekko Bazaar Venue



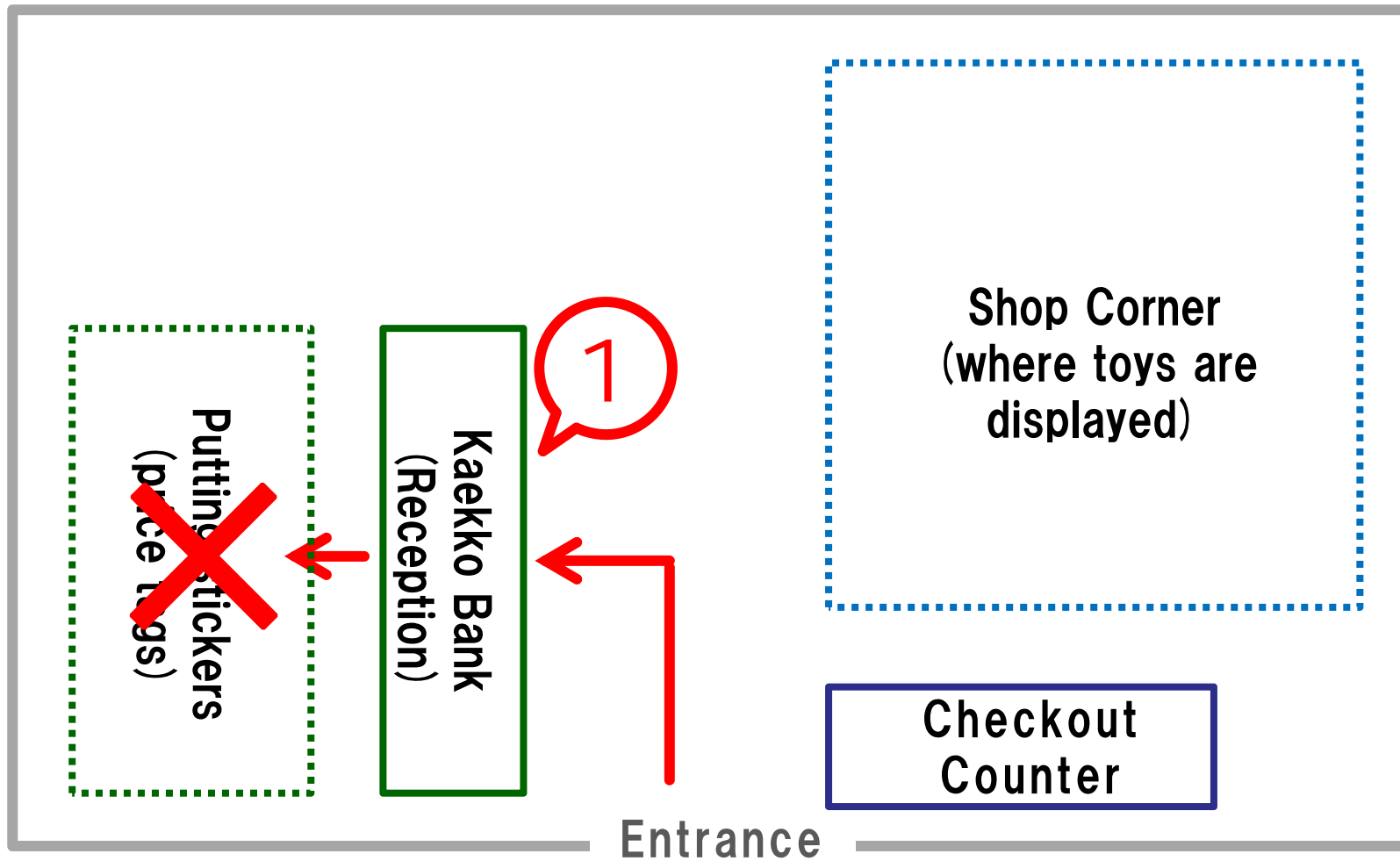


● Kaekko Bazaar Venue



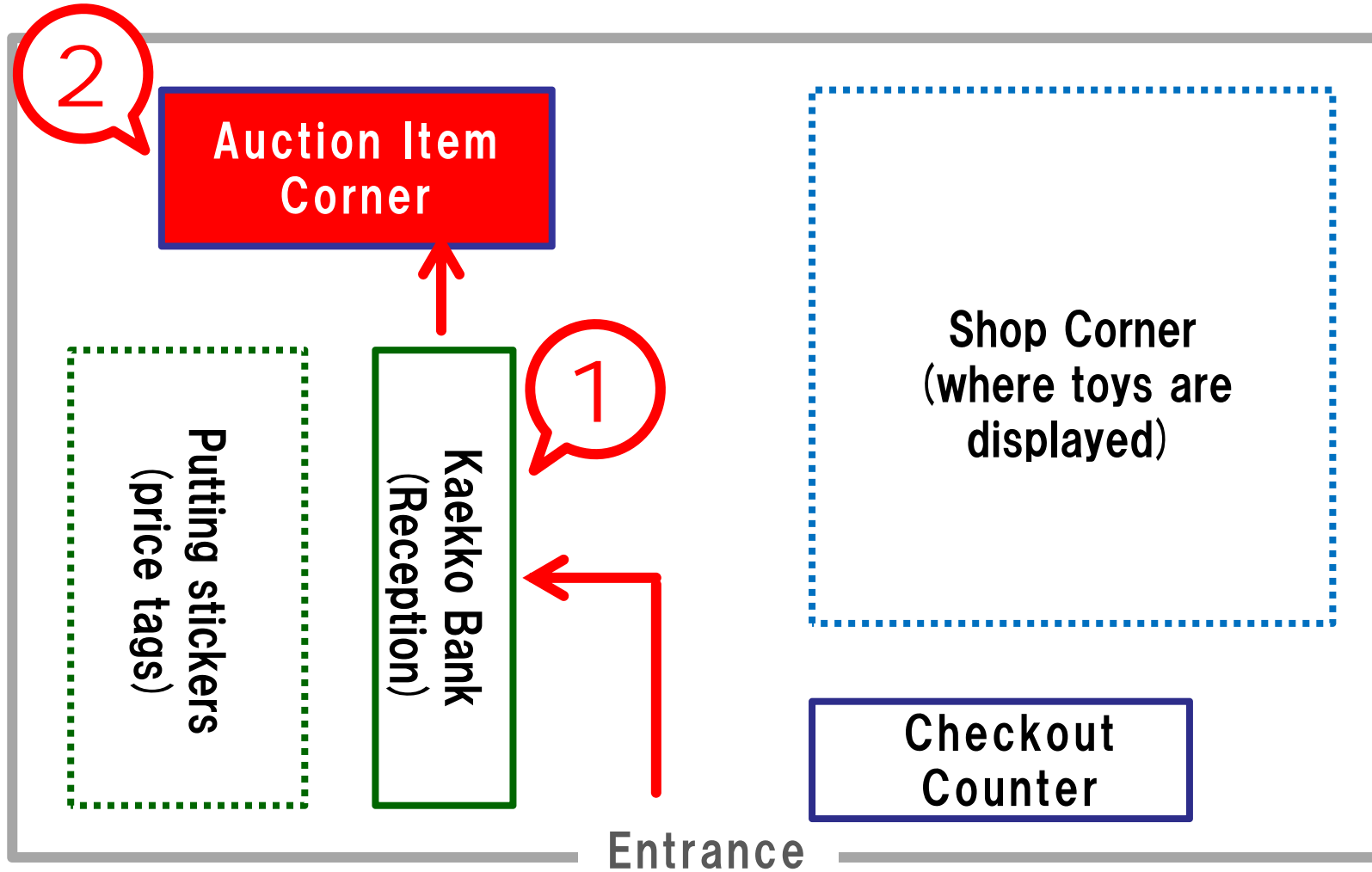


● **Kaekko Bazaar Venue**





● Kaekko Bazaar Venue



Popular toys are to come up
for auction.

< Staff roles >

Auctioneer: 1 person

Assistant: 1 person

Point checker: 2 persons



IZA!
KAERU
CARAVAN!

Kaekko Auction



IZA!
KAERU
CARAVAN!

Learn While Having Fun:
New Kinds of Disaster Drills

“Iza! Kaeru Caravan!”

Stamp rally version



You can receive stamps also by participating in disaster drill programs.



Jack-up Game

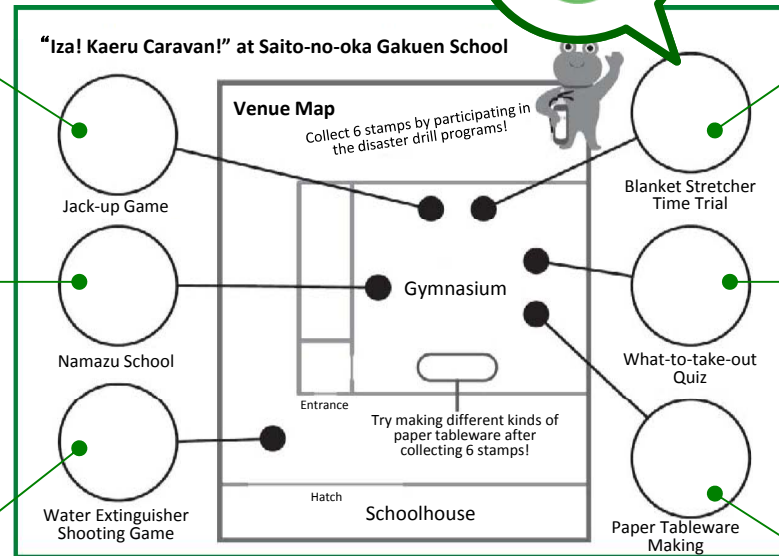


Namazu School



Water Extinguisher Shooting Game

Stamp



Stamp Card



Blanket Stretcher Time Trial



What-to-take-out Quiz



Paper Tableware Making

IZA!
KAERU
CARAVAN!

Stamp Rally

Each participant who has collected all stamps will be presented with **a certificate** and **button badges**.



Complete !



Certificate



Button badges

BOSAI Stamp Rally in Thailand



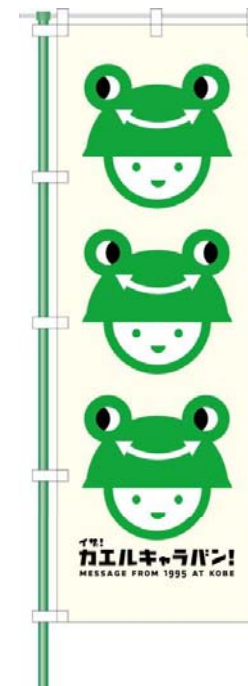
A special logo is designed, banners are put up to decorate the venue and staff uniforms are prepared, so as to give a fun atmosphere to the disaster drills.



Logo



Staff uniform
(T shirt & bandana)



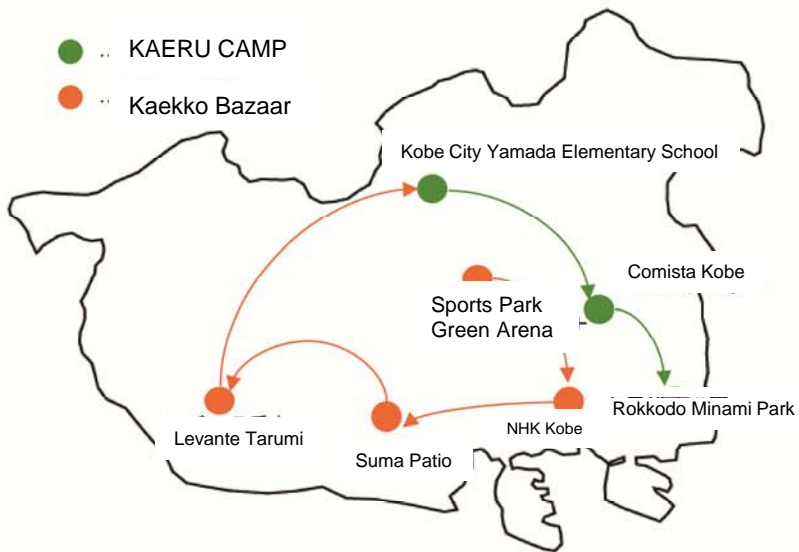
Banner

**IZA!
KAERU
CARAVAN!**

Development of “IZA! KAERU CARAVAN!”



“KOBE KAERU CARAVAN 2005”



Held at 7 places in the city



Total **8,600 people** participated

**IZA!
KAERU
CARAVAN!**

“KOBE KAERU CARAVAN 2005”

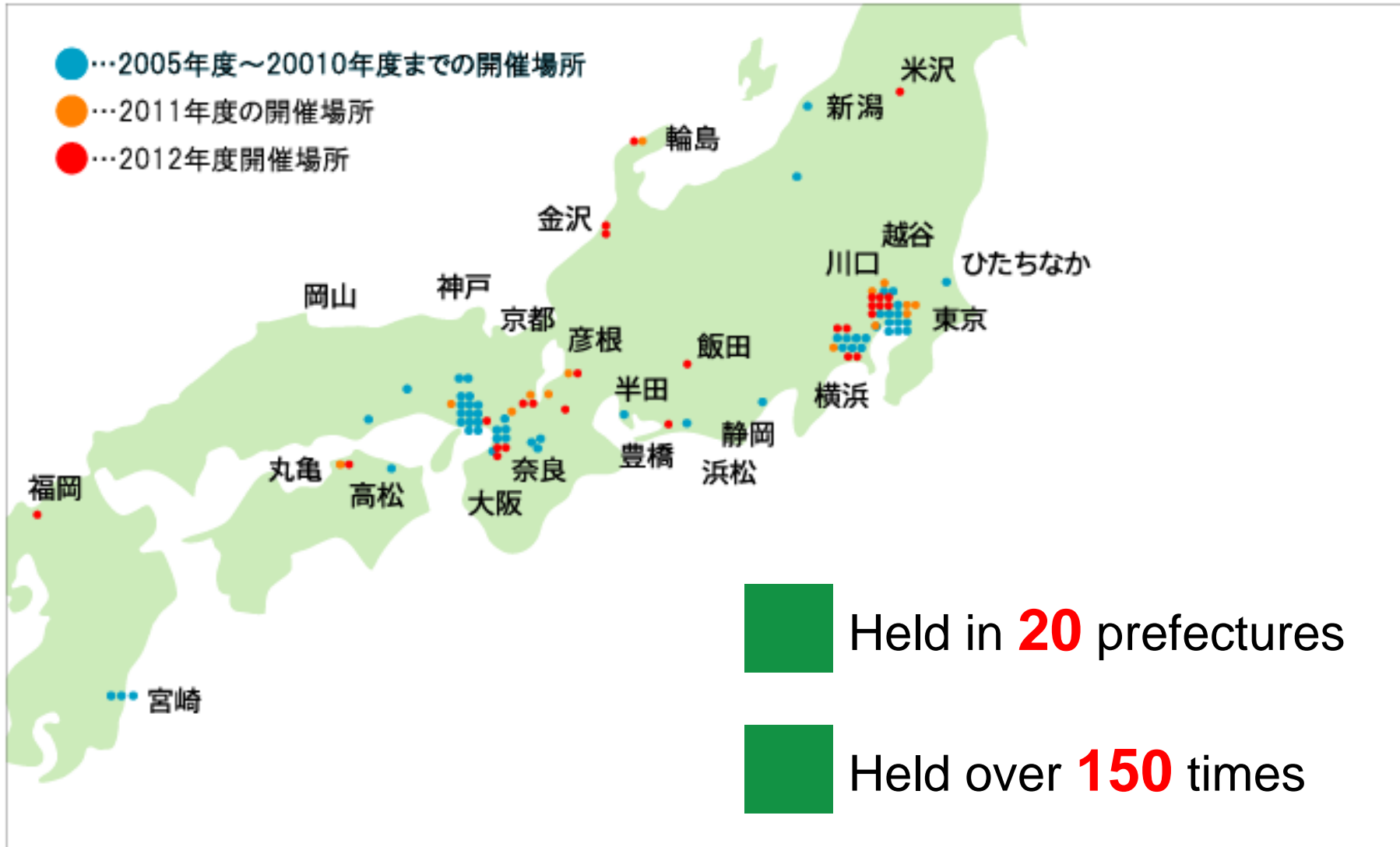


IZA!
KAERU
CARAVAN!

“KOBE KAERU CARAVAN 205”



Nationwide expansion



**IZA!
KAERU
CARAVAN!**

in Toyosu (Tokyo)



IZA!
KAERU
CARAVAN!

IZA! KAERU BIG CARAVAN! (Kobe City)



IZA!
KAERU
CARAVAN!

Established in the field of education
Kobe City Disaster Prevention Educational Support Project



Conducted demonstration class at model school (in 2007)

4 classes of First grade, Kobe city Takatsubashi elementary school (160 students)

Programs conducted: Disaster-prevention exercise + Otama play



Conducted model project (in 2008)

Provide preliminary lecture to teachers, and conduct a class by a teacher that day

Conducted model project at 3 elementary schools in Kobe City

1 Preliminary lecture



2 Conducted class



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CARAVAN!

Conducted model project (in 2008)

Kobe City Nishiyama Elementary School



Kobe City Kizu Elementary School



Kobe City Kizu Elementary School



Kobe City Otogi Elementary School



IZA!
KAERU
CARAVAN!

Production of disaster prevention educational manual booklet



BOKOMI School Guide
Supervising editor: Kobe City Education Board
Editing: Kobe City Fire Department/NPO +arts

Production of Disaster Prevention Education Manual for elementary schools



IZA!
KAERU
CARAVAN!

Joint hosting with an area



Hosting flow



1 Preliminary lecture (1st time)



Two months before
Explain to core members in the area

2 Preliminary lecture (2nd time)



One month before
Core member + volunteer staff



3 Preliminary preparation Program development



Until hosting
Production of original program/tool

4 Event day



Operate event mainly
by local people



Preliminary lecture

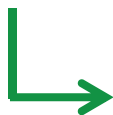


On the day of the event





Preliminary lecture



On the day of the event



in Kawai Town, Nara Prefecture

Held at the request of a kindergarten PTA-member mother, Kawai Town, Nara Prefecture



● Original ideas and tools for extinguisher and jack-up drills

IZA!
KAERU
CARAVAN!

in Terashima area, Sumida Ward

● IZA! KAERU NIGHT BAZAAR! →

Conducted area-driven special programs such as cold-protection skills, outdoor meal preparation, and shelter construction on elementary school grounds and park in Terashima, an area where wooden houses are densely situated, assuming a metropolitan-centered earthquake in winter.

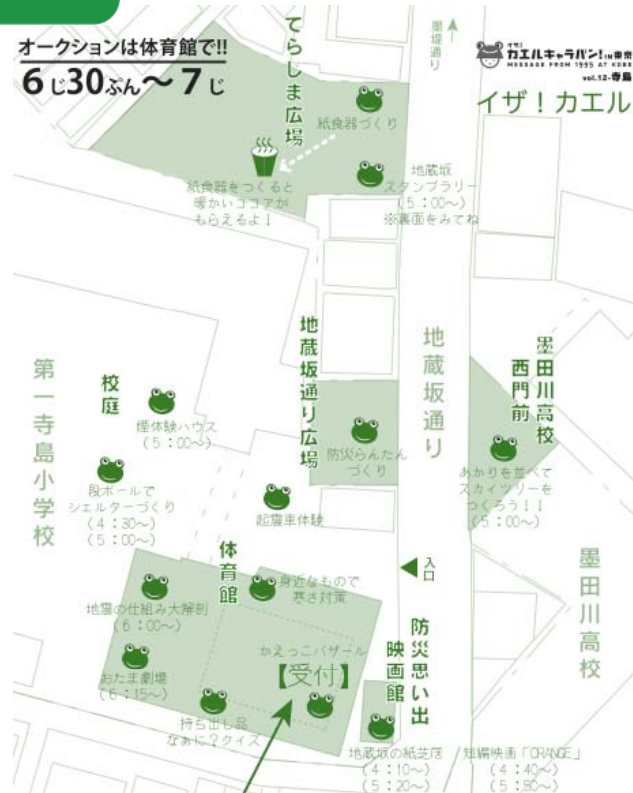


● Their 3rd year, and almost all programs are area-original!

IZA!
KAERU
CARAVAN!

in Terashima area, Sumida Ward

● IZA! KAERU NIGHT BAZAAR!



IZA!
KAERU
CARAVAN!

in Terashima area, Sumida Ward

● IZA! KAERU NIGHT BAZAAR! →



Marshmallow baking around charcoal fire



Disaster-prevention picture-play show



Candle making workshop



Production of Sky Tree with candles

IZA!
KAERU
CARAVAN!

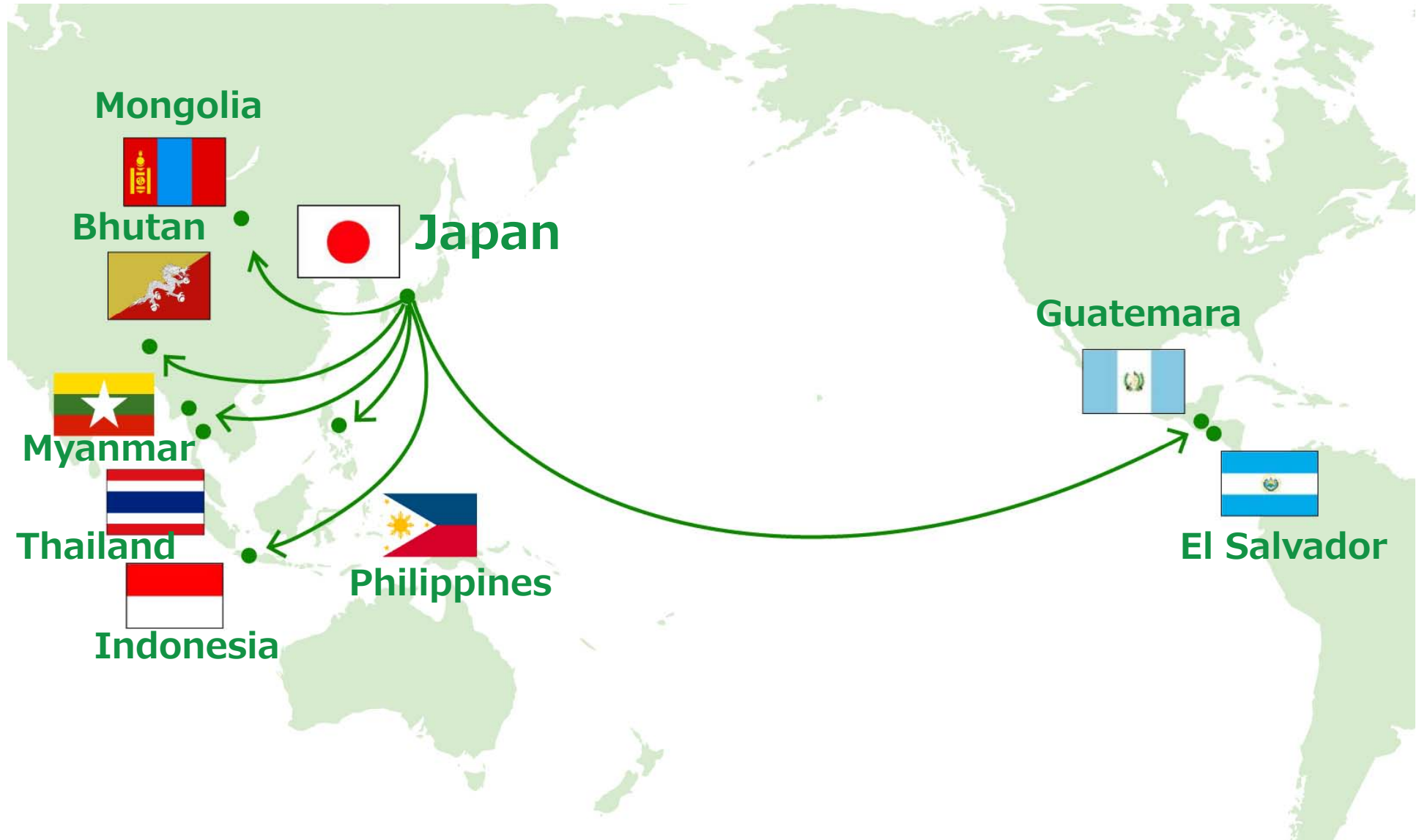
Expansion to overseas

IZA! KAERU CARAVAN! Overseas Project



**IZA!
KAERU
CARAVAN!**

Expansion to overseas



Hosting flow overseas

1 Research, interviewing



Local undergraduate students conduct an inquiry survey (Indonesia)

2 Preliminary lecture



National disaster-prevention staff + publicly sought staff (Guatemala)

Hosting flow overseas

3 Demonstration performance



Performed by local high school students to elementary and junior high school students (Bhutan)

4 Self-hosting



Preliminary lecture



Hold the event



Conduct lectures continuously by National Disaster-Prevention Coordination Bureau (Guatemala)

**IZA!
KAERU
CARAVAN!**

in Jogjakarta (Indonesia)



**IZA!
KAERU
CARAVAN!**

in Padang (Indonesia)



**IZA!
KAERU
CARAVAN!**

in Guatemala City (Guatemala)



**IZA!
KAERU
CARAVAN!**

in Zaragoza (El Salvador)



**IZA!
KAERU
CARAVAN!**

in Ulan Bator (Mongol)



**IZA!
KAERU
CARAVAN!**

in Punakha (Bhutan)



**IZA!
KAERU
CARAVAN!**

in Bangkok (Thailand)



**IZA!
KAERU
CARAVAN!**

In Manila (Philippines)



**IZA!
KAERU
CARAVAN!**

in Sakarya (Turkey)



Iza! Kaeru Caravan!

Activities in Jogjakarta, Indonesia



- Transmit not the event itself superficially
but the process by which the event is formed -

■ Background

- Seriously damaged by the “Central Java Earthquake” that occurred in May 2006.
- It caused over 6,000 deaths – equal in scale to the Great Hanshin–Awaji Earthquake.
- The deaths and injuries were caused by the destruction of buildings constructed from bricks without anti-seismic reinforcement.
- After the earthquake, many overseas organizations participated in the promotion of anti-seismic techniques.
- Some regions are introducing these techniques, but things are not proceeding as intended.
- There are many areas that were not affected by the latest earthquake, such as the Kauman District, etc. It is essential to promote not only anti-seismic techniques but also disaster prevention education.

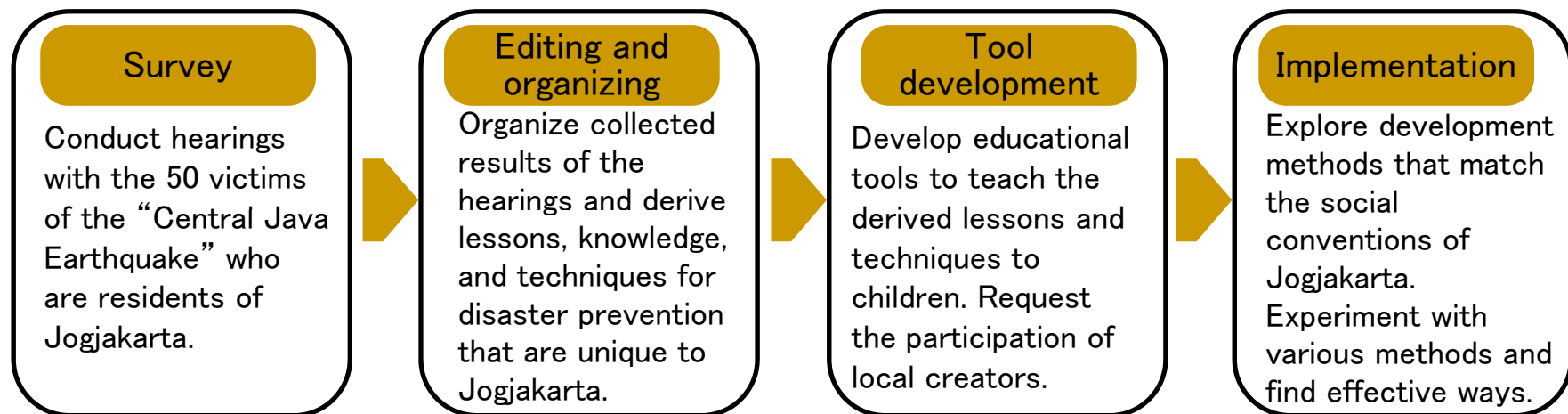


■ Objectives

Using the know-how of “Iza! Kaeru Caravan!” developed in Kobe in 2005, develop an independent disaster prevention education system that matches the regional characteristics of Jogjakarta in cooperation with local universities, institutions and NGOs.

The program should be continued, developed, and extended, and should not be completed as a one-off project.

■ Project flow



Organizational structure (plan)

Japan team (supporting team)

- Secretariat:
NPO +arts
(Chairman: Hirokazu Nagata)
(Vice-chairman: Hiroshi Fuji)
- Supervisor:
Kunihiro Narumi
(Professor emeritus, Osaka University)
* Realized great achievements in the survey on urban design in Indonesia.
- ↑
- Advisor:
Disaster Reduction Learning Center (DRLC), JICA Hyogo



Partnership
(Cooperative operation)

Jogjakarta team (local team)

- Secretariat:
Architecture and Planning Engineering Department, Faculty of Engineering, Gadjah Mada University
Assoc. Prof. Ikaputra, (main personnel)
Mr. Yoyok, Department Chairman
Assoc. Prof. Sita
+ students of the Architecture and Planning Engineering Department (mainly students of Assoc. Prof. Ikaputra's Seminar)
- Partners:
Prof. Snatini and others, Department of Pediatrics, Faculty of Medicine, Gadjah Mada University
+ students of the Department of Pediatrics, Faculty of Medicine
- NGO YGM

The Project started in March, 2008

- Program organizers



■ Report on hearings and pre-survey of earthquake victims conducted March 10 to 15



Earthquake victims
hearing survey
* Conducted by local
university students.



■ Report on the “Iza! Kaeru Caravan!” demonstration carried out March 10 to 15



Blanket stretcher experience



Emergency kit quiz



Bucket relay



First aid guidance



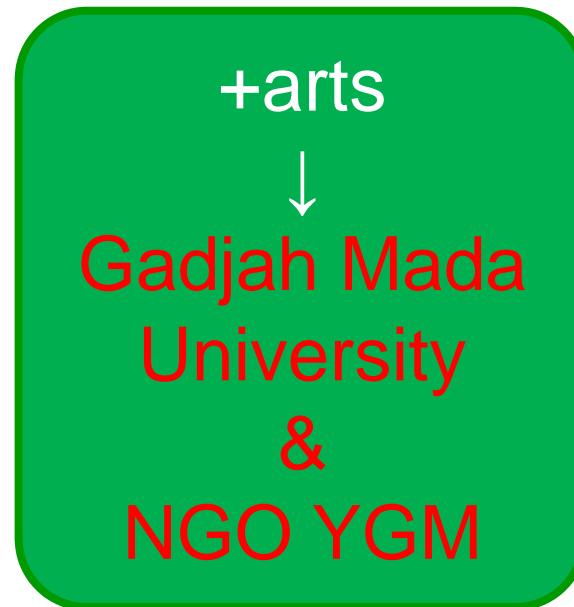
Making paper bowls



Drawing a “safe house” you imagine

A half year later...

- Program organizers



■ Report on the second “Iza! Kaeru Caravan!” event conducted on October 18

● Face off! Bucket relay!



● Making bowls with banana leaves



● First aid class



■ Report on the second “Iza! Kaeru Caravan!” event conducted on October 18

● Making emergency shelters



● Display of earthquake records

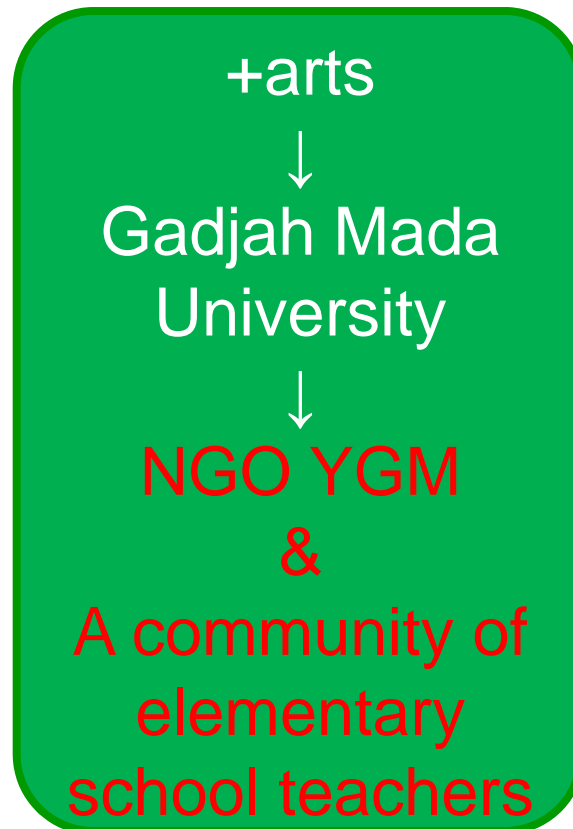


● Blanket stretcher time trial



And then, one year later...

● Program organizers



■ Leader training program for the third “Iza! Kaeru Caravan!” event
(October 24 and 25, 2009)



Members of universities and NGOs became teachers and provided lectures on how to conduct programs to local trainers (leaders and teachers).

■ The third “Iza! Kaeru Caravan!” event (November 1, 2009) Renewal of the character



● The character changed from Kaeru (frog) to Kancil (deer)



● The doll used for transport training changed from frog to deer

■ The third “Iza! Kaeru Caravan!” event: disaster prevention program arranged to match Indonesia



Bucket relay



Bucket relay & fire extinguisher target practice game



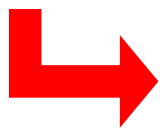
Blanket stretcher experience



Bamboo & sarong stretcher experience



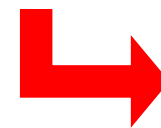
Making paper bowls



Making bowls with banana leaves



Disaster prevention sugoroku game



Traditional sugoroku game

And then, one year after that...



- Program organizers



■ On Dec. 24, 2010, “BOKOMI BADRAN”, the first autonomous emergency preparedness organization in Indonesia was established!



Logo of BOKOMI BADRAN



The signing ceremony with persons concerned



Congratulatory speech by the deputy mayor



Leaders of BOKOMI BADRAN



Newly constructed warehouse and the self-developed portable pump



■ On Dec. 24, 2010, “Kaeru Caravan” event was held at the establishment ceremony of “BOKOMI BADRAN”



Standard bucket relay



Standard sarong (wrap skirt) stretcher



New program: the smoke house experience



Target shooting with a water fire extinguisher, a new program on the creation of water fire extinguishers



Balancing exercise, a new program introduced after a large explosion of Mount Merapi



A large Sugoroku board, a new program introduced after the large explosion of Mount Merapi

■ A training center for IKC INDONESIA recently established has conducted programs periodically.

● The center holds an exhibition booth and outdoor training facilities on its premises.



● The center conducts programs of "Iza! Kaeru Caravan!" and their original programs.



■ Total of 171 IKC programs for children, students and people in the community have been conducted at elementary schools, junior high schools, high schools and universities in Jogjakarta, midland of Java, and Padang.



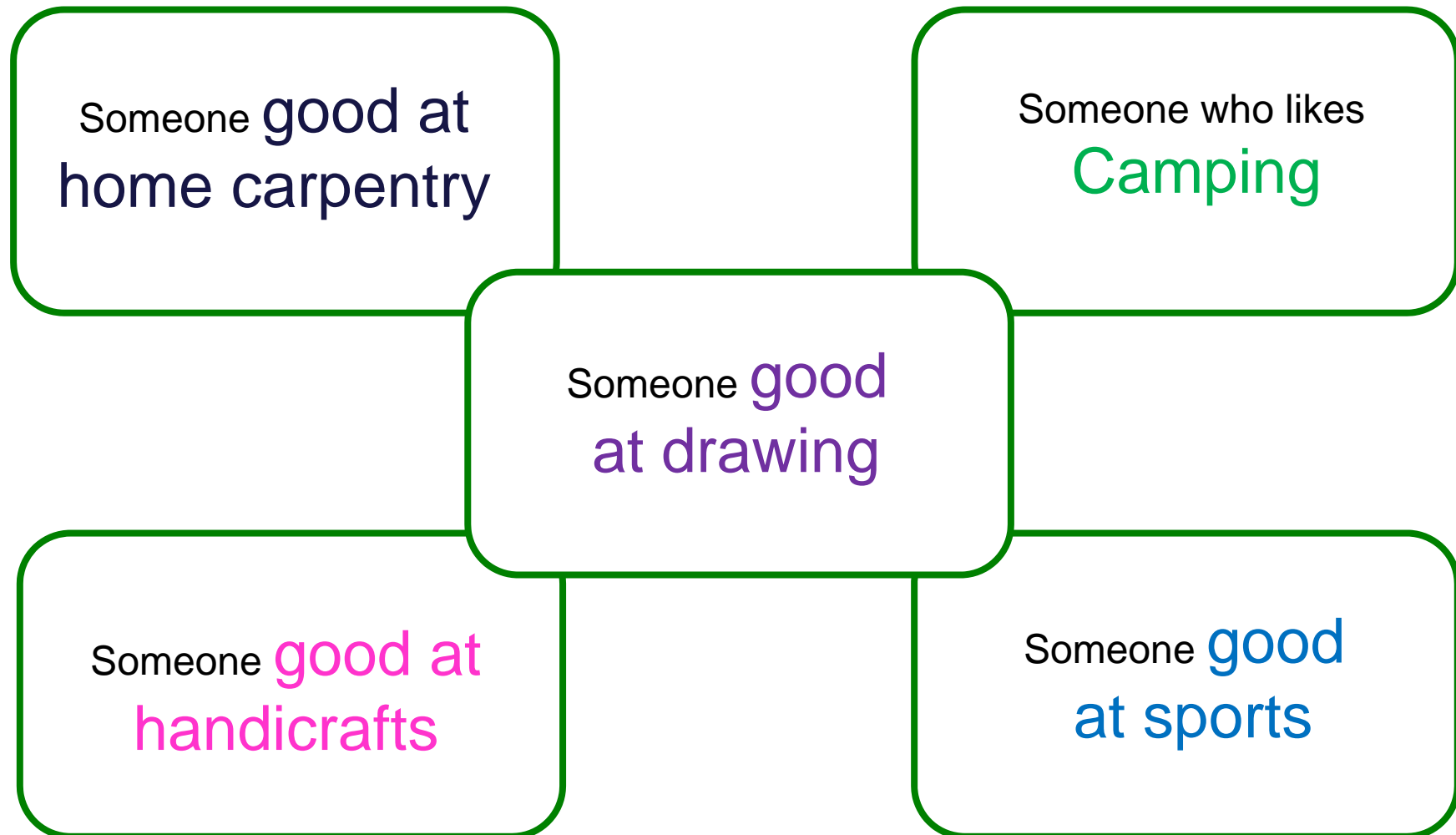
■ Community-led “BOKOMI” trainings are conducted periodically in Badran district



4 communities in the district make teams wearing original uniforms of their selected color!

Local examples of disaster-prevention programs

People with various “talents” live in an area



Many local programs are produced based on the area's land features and history, by getting help from those who have such

“Talents.”

01 Making a doll for transportation drill

Various places in Japan, Guatemala

Examples of making dolls for use in blanket-stretcher time trial or jack-up game, by those good at handicrafts in the area, or making a doll in the local character.



Kawai Town, Nara Prefecture

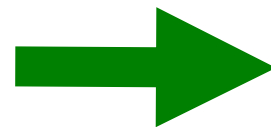


Koshigaya City, Saitama Prefecture

(Original)



There are people good at handicrafts!



Create with local character



Musashino City, Tokyo



Guatemala

02 Making a doll for transportation drill

Nicaragua, Mongolia



Nicaragua



Mongolia

02 Making a doll for transportation drill

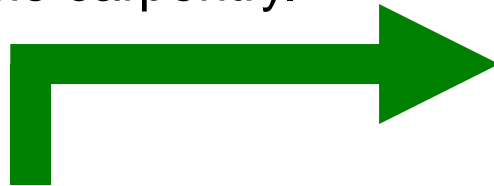
El Salvador



03-1 Strikeout-style target shooting game with a water extinguisher

Miyazaki City
Miyazaki Prefecture

An example of a popular program, a strikeout-style target shooting game made by local craftsman and those good at home carpentry.



(Original)



First year



(Developed by local people)

Further advanced in the 2nd year!



03-2 Strikeout-style target shooting game with a water extinguisher

Kamezawa, Tokyo

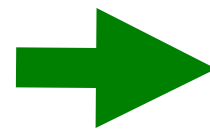
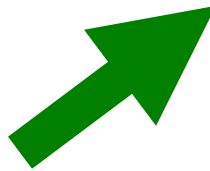


03-3 Book-end type target shooting game with a water extinguisher

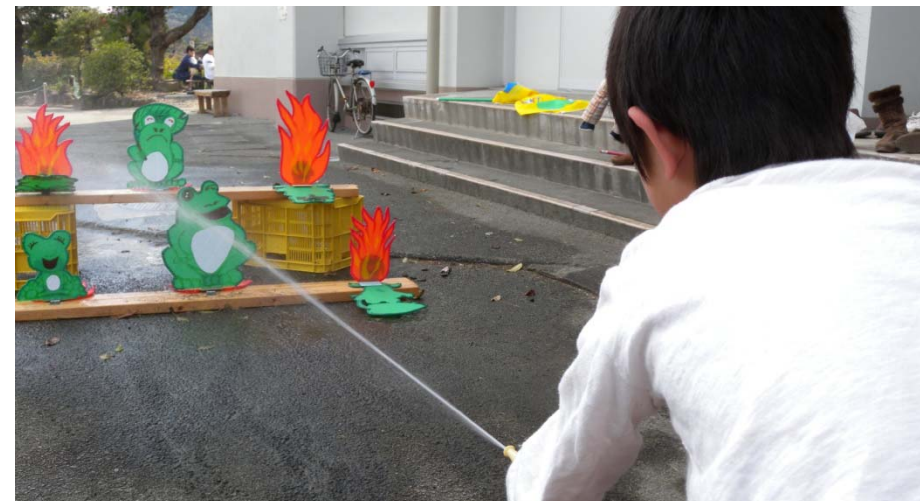
Various places in Japan

Simple target used for fire extinguisher drill. Compared to a strikeout-style target, the feature of this target is that it is easy to carry and make. Original targets are developed in various areas.

(Original)



Kawai Town, Nara Prefecture



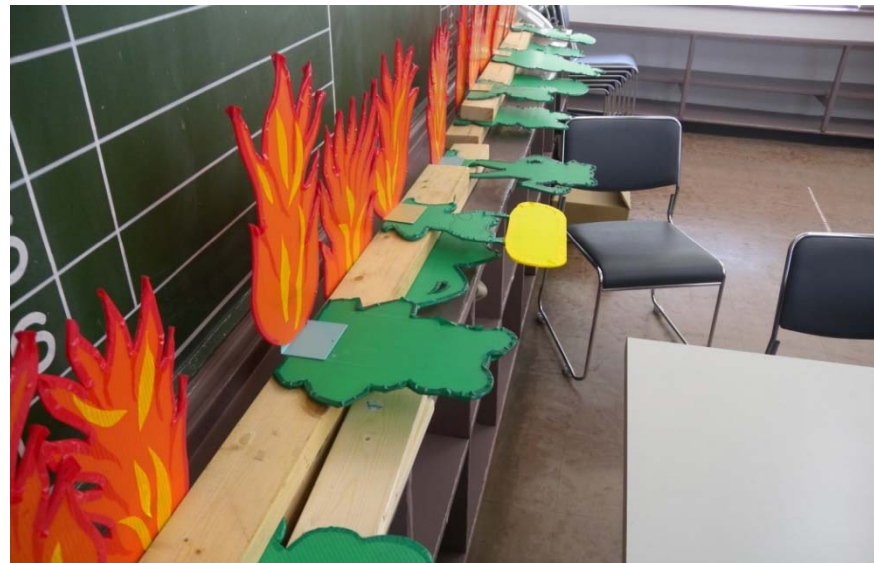
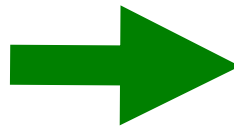
Yugawara Town, Kanagawa Prefecture

03-4 Book-end type target shooting game with a water extinguisher

Yugawara Town,
Kanagawa Prefecture

Simple target used for fire extinguisher drill. Compared to a strikeout-style target, the feature of this target is that it is easy to carry and make. Original targets are developed in various areas.

(Original)

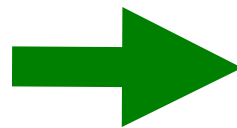


03-5 Others Target shooting game with a water extinguisher

Indonesia

Target developed in Indonesia. A simple structure with a frying pan with a red-painted soccer ball placed on a bucket. An example of making it with local resources by proposing ideas.

(Original)



04 Challenge! Bucket relay

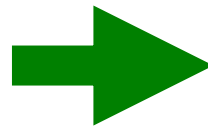
Indonesia
Guatemala
Mongolia

A development example of a tool used for the bucket relay drill. In the original style, water is just collected in the bucket. To throw the water furiously, a target was produced!

(Developed by local people)



(Original)



05 Plates

Indonesia

Original
Paper-plate-making with
newspaper
(Japan)

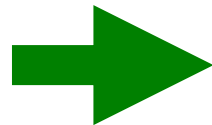


Plate-making with banana leaves
(Indonesia)



06-1 Picture-story show, Puppet play

Japan

Area-original workshop to read a story with picture-story show, or conduct a puppet play related to disasters in that area. Feel closer if the name of places or sites are included.



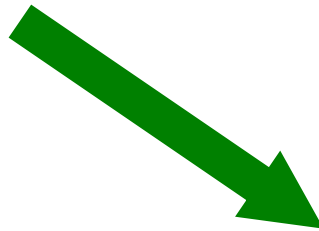
06-2 Picture-story show, Puppet play

Various places in Japan

(Original)



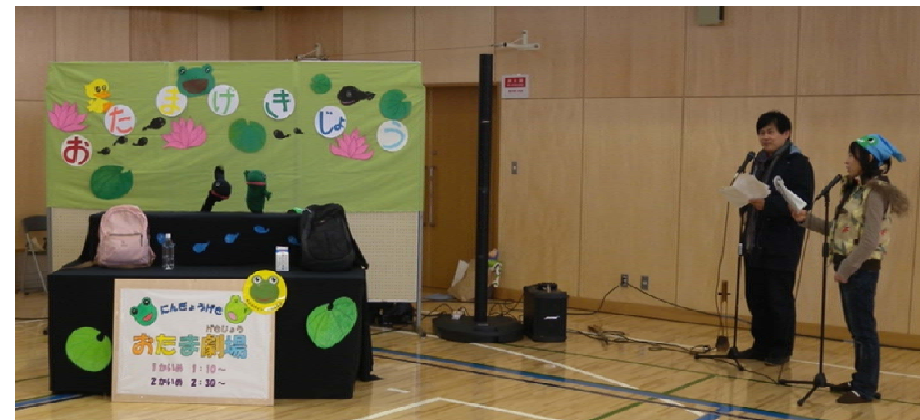
Original staging (Tama City, Tokyo)



A new script is prepared. (Niigata, Miyazaki etc.)



In charge are those who are good at narration (Yugawara City, Kanagawa Prefecture)



07-1 Originally developed program

Various places in Japan

Slipper-making with newspaper (Hamamatsu City, Shizuoka Prefecture)



Workshop for protecting life (Handa City, Aichi Prefecture)



07-2 Originally developed program

Japan, Guatemala

Program for evacuating the visually disabled (Guatemala)



Experiencing the visually disabled (Kiyose City, Tokyo)



07-3 Originally developed program

Jogjakarta, Padang,
Indonesia



● Disaster-prevention card game, “Shuffle” Japanese Version → Thai Version (For Flood)

วิธีทำแผนที่อพยพ
HOW TO PREPARE A FLOOD EVACUATION MAP

ความรู้เพื่อเตรียมพร้อมรับมือภัยพิบัติ



คุณไม่มีการรู้เลยว่าเมื่อไหร่จะเกิดน้ำท่วมขึ้นอีก
ควรทำแผนที่อพยพเตรียมไว้ล่วงหน้า

You never know when a flood will happen. Prepare an evacuation map beforehand.

วิธีทำส้วมฉุกเฉิน
HOW TO CREATE AN EMERGENCY TOILET

ความรู้เพื่อเตรียมพร้อมรับมือภัยพิบัติ



เมื่อไม่มีน้ำใช้ และคุณไม่สามารถใช้ห้องน้ำ
ในบ้านได้ ให้ทำส้วมฉุกเฉินใช้แทน

There's no running water and you can't flush the toilet. Make a toilet.

วิธีจัดการขยะ
HOW TO TIDY UP GARBAGE

ความรู้เพื่อเตรียมพร้อมรับมือภัยพิบัติ



เมื่อเกิดน้ำท่วม ขยะอาจกลายเป็นสาเหตุของโรคติดต่อและโรคระบาดต่างๆ ควรระมัดระวังในการจัดการขยะเหล่านั้นให้มากขึ้น

In the event of a flood, garbage becomes the cause of infectious diseases. Be careful when tidying up.

วิธีทำเสื้อชูชีพ
HOW TO MAKE LIFE JACKET

การช่วยเหลือ/การกู้ภัย



เมื่อน้ำท่วม และคุณอาจได้รับอันตรายจากการจมน้ำให้ทำเสื้อชูชีพ

The town is flooded, and there's the danger you might drown. Make a life jacket.

วิธีทำรองเท้าเดินในน้ำ
HOW TO MAKE SAFE SHOES TO WEAR IN WATER

เทคนิคเอาตัวรอด



สถานที่ที่น้ำท่วมขังอาจมีอันตรายจากเศษแก้ว/กระจกแตก ตกอยู่ในน้ำ ควรหาทางป้องกันรองเท้าของคุณ

Flooded places can be dangerous as there may be broken glass in the water. Reinforce your shoes.

● Disaster-prevention card game, “Shuffle” Japanese Version → Thai Version (For Flood)

<p>วิธีทำแผนที่อพยพ HOW TO PREPARE A FLOOD EVACUATION MAP</p> <p>คุณไม่ทราบว่าจะมีน้ำท่วมเกิดขึ้นเมื่อไหร่ คุณจึงต้องเตรียมแผนที่อพยพไว้ล่วงหน้า</p> <p>You never know when a flood will happen. Prepare an evacuation map beforehand.</p>	<p>วิธีทำแผนที่อพยพ HOW TO PREPARE A FLOOD EVACUATION MAP</p> <p>เตรียมแผนที่ จากบริเวณบ้านของคุณ (เช่น บ้าน โรงเรียน โรงมหรสพ สถานีตำรวจ สถานีรถไฟ เป็นต้น)</p> <p>Take a map of your town and mark your house. You should purchase a map that is easy to mark or you should draw a map yourself.</p>	<p>วิธีทำแผนที่อพยพ HOW TO PREPARE A FLOOD EVACUATION MAP</p> <p>กำหนดหมายสถานที่สำคัญต่างๆ (เช่น วัด โรงเรียน โรงมหรสพ สถานีตำรวจ สถานีรถไฟ เป็นต้น)</p> <p>Mark evacuation sites (temples, schools, and stations) and hospitals. Evacuation sites are designated by local communities, so find out where they are.</p>	<p>วิธีทำแผนที่อพยพ HOW TO PREPARE A FLOOD EVACUATION MAP</p> <p>วาดเส้นทางจากบ้านไปยังสถานที่สำคัญ ไปๆและกลับมาเส้นทางนี้ทำวนไปเรื่อยๆ</p> <p>Find out the areas that have been flooded in the past, and mark those areas on the map. Draw a route from your house to the evacuation site, avoiding these areas.</p>	<p>วิธีทำแผนที่อพยพ HOW TO PREPARE A FLOOD EVACUATION MAP</p> <p>คอยติดตามข่าวสาร และตรวจเช็คข้อมูลอย่างสม่ำเสมอ</p> <p>Information regarding evacuation sites and flooded areas may change. Once new information is announced, adjust the evacuation map accordingly.</p>
<p>วิธีทำส้วมฉุกเฉิน HOW TO CREATE AN EMERGENCY TOILET</p> <p>เมื่อไม่ได้นำน้ำไปใช้ และคุณไม่สามารถใช้ห้องน้ำในบ้านได้ ให้ทำส้วมฉุกเฉินขึ้นมา</p> <p>There's no running water and you can't flush the toilet. Make a toilet.</p>	<p>วิธีทำส้วมฉุกเฉิน HOW TO CREATE AN EMERGENCY TOILET</p> <p>เตรียมฐานของน้ำที่แข็งแรง อย่างเช่น กล่องกระดาษแข็ง</p> <p>Find a large box made of thick cardboard. Make some cutouts out of a separate cardboard box and stick them on the inside of the large box to create a strong toilet seat.</p>	<p>วิธีทำส้วมฉุกเฉิน HOW TO CREATE AN EMERGENCY TOILET</p> <p>ทำรูด้านบนของกล่องกระดาษแข็ง ให้ขนาดพอที่จะใส่ภาชนะ และใส่ถุงขยะ 2 ใบซ้อนกันลงไปใต้อ่างชำระ</p> <p>Make a large hole on the top side of the box. Crumble bag two plastic garbage bags, and place them in the hole.</p>	<p>วิธีทำส้วมฉุกเฉิน HOW TO CREATE AN EMERGENCY TOILET</p> <p>นำขยะและสิ่งของ เช่น กิ๊พ ฆ่าเชื้อลงลงไป</p> <p>Fill the plastic bag with finely torn newspaper, slippers, and sanitary items so they absorb moisture.</p>	<p>เมื่อใช้เสร็จแล้ว ปิดปากถุงให้แน่น และนำไปเก็บในที่แห้ง เช่น ระเบียง ห้ามโยนลงน้ำเป็นอันขาด</p> <p>After use, the plastic bags should be tied up tightly and kept in a place that will not be flooded. Do not in any event throw away the bags into the water.</p>
<p>วิธีจัดการขยะ HOW TO TIDY UP GARBAGE</p> <p>เมื่อเกิดน้ำท่วม ขยะอาจกลายเป็นสาเหตุของโรคติดต่อและโรคระบาดต่างๆ ภาวะนี้เกิดขึ้นในกรณีการระงับสถานการณ์น้ำท่วม</p> <p>In the event of a flood, garbage becomes the cause of infectious diseases. Be careful when tidying up.</p>	<p>วิธีจัดการขยะ HOW TO TIDY UP GARBAGE</p> <p>แยกขยะย่อยสลายได้ และขยะย่อยสลายไม่ได้ ออกจากกัน</p> <p>Sort the garbage into vegetable scraps and other biodegradable waste that can become compost, and plastic bottles and cans that are non-biodegradable.</p>	<p>วิธีจัดการขยะ HOW TO TIDY UP GARBAGE</p> <p>ก่อนแยกขยะลงถุง นำขยะย่อยสลายได้ตากแดดในที่แห้งๆ สั้นๆ ส่วนขยะย่อยสลายไม่ได้ให้นำไปล้างและตาก และทำให้เล็กที่สุดก่อนใส่ถุงขยะ</p> <p>Biodegradable waste should be spread out in a sunny area and dried. Non-biodegradable waste should be washed and crushed small.</p>	<p>วิธีจัดการขยะ HOW TO TIDY UP GARBAGE</p> <p>ใส่ขยะที่คัดแยกแล้วลงในถุง และมัดปากถุงให้แน่น แล้ววางไว้ในที่แห้ง</p> <p>Place the sorted waste into separate bags, and tie the air out of the bags before tying them up tightly and storing them in a place that is not flooded.</p>	<p>วิธีจัดการขยะ HOW TO TIDY UP GARBAGE</p> <p>อย่าทิ้งขยะลงน้ำ ใต้สะพานหรือที่อื่นๆ ที่น้ำท่วม หรืออาจคว่ำน้ำลง แล้วรอคอยน้ำท่วม</p> <p>When the garbage collection boat comes around, tie the bags to fences outside your house or other places that will not touch water, and firmly so they will not fall off.</p>

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Positive effects brought by “IZA! KAERU CARAVAN!”

- Since “fun” makes children participate **actively**, and makes them want to participate **repeatedly**, the **learning effect** is extremely **high**.
- “Fun” **energizes** program-operating **staff** (volunteers and those involved in disaster prevention), and with a sense of accomplishment, **activities are likely to continue**. It is truly a “festival for disaster prevention.”
- Since the program itself is “**incomplete**,” it is easily **customized**, **easy to edit** to the style that fits the area, and **easy to take root**.
- The existence of **a character** (frog) is also very **effective** in terms of “**fun**,” “**continuity**,” and “**customization**.”