



KASINTORN ACADEMY

Program's title: Disaster Risk Reduction Program by Kasintorn Academy

Program's Characteristics: Yearly Ongoing New

Staff 1. Dr.Tanachit Kasintorn 2. Ms.Supannika Sawetsomboon
3. Ms.Pochanee Pommarin 4. Mr.Ruchavut Tangmanotienchai
5. Ms.Srisuda Masodi

Background and Rationale

During the past decade, great disasters have happened in many regions of the world and have caused big loss of lives, properties and have severely impacted the economy, society and environment. Disasters have become main obstacles to reaching the goal of better livelihood. In the future, disaster episodes and their impacts tend to worsen because of climate changes and global warming. Furthermore, population increase requires more housing which encroaches upon forests. Countries need to develop a modern disaster management system including emergency notification system which can help to reduce the death toll.

In Thailand, people frequently face seasonal disasters. However, during the past 10 years, Thailand has seen more severe disasters more frequently. The disaster has an adverse effect on Thailand's economy. And last year, Kasintorn Academy was affected by the flood disaster. As a result, Kasintorn Academy started this program in order to allow students and community to realize and see the importance of disasters and related risks.

Objectives:

1. To raise the students' and the community's awareness on the problems of natural disasters
2. To create the students' and the community's awareness on the importance of disaster risk reduction and to become knowledgeable on the subject.
3. To encourage the school and community to share plans, to innovate and to prepare for disaster risks and impacts.

Goals

Quantitative : Kasintorn Academy's students, teachers, parents and community participated in the program

Qualitative : All attendees become knowledgeable and understand disaster impacts and risks and be prepared for disaster damages and risks

Period of time when this activity is implemented: June – July 2012

Location of the program: Kasintorn Academy

Procedure:

1. Preparation stage
 - 1.1 Appoint committee members
 - 1.2 Write program details
 - 1.3 Submit for the management approval
 - 1.4 Meet to create understanding and assign responsibilities among staff

2. Implementation stage

- 2.1 Prepare data and tools for the implementation
- 2.2 Implement as planned by staff.

3. Conclusion Stage

- 3.1 Conclude the results of the program.

Budget : 6,000 Baht

Expected Outcome:

The program will create an awareness and understanding among students, parents and community with regards to disasters and relevant risks, will prepare them for disaster risk reduction.

PART I : Details of our school

1. Name of our school : Kasintorn Academy
2. Full address : 162 Puttamonton Sai 3 Road, Bangpai Bangkae Bangkok.
3. Postcode : 10160
4. Country : Thailand
5. Telephone number : 02-4212121
6. **Fax number** : 02-4444413
7. **Name of the Head Master / Principal/School Director** : Dr.Tanachit Kasintorn
8. **Name of Teacher Coordinator**: Miss.Srisuda Masodee
9. **Email address**:kasintornacademy@gmail.com
10. **School website** : www.kasintorn.com
11. **Educational level** : Nursery – Grade 12
12. Numbers of teachers in our school : 117
13. Numbers of students in our school : 700
14. Teachers :
 1. Dr. Tanachit Kasintorn
 2. Miss Supannika Sawetsomboon
 3. Miss Pochanee Pummarin
 4. Miss Sujitra Chang-in
 5. Miss Chompunut Kongkitcharoen
 6. Mr. Patawee Sang-ngern
 7. Miss Unyarin Ritnarongsit
 8. Miss Srisuda Masodi
 9. Mr. Konglha Chantakaew
 10. Miss Kanchaporn Chuechai
 11. Miss Suwanna Chomsiri
 12. Miss Sukanya Marukanon
 13. Mr. Suwit Aphichai
 14. Miss Marilyn
 15. Miss Worawan Suthachi
 16. Miss Jarunee Klabsitong
 17. Mr. Chuwet Wantong
 18. Miss Upin Triratwittha
 19. Miss Tassanee Boonpa
 20. Mr. Ekkawat Boonsanit
 21. Mr. Wongsaya Senpeng
 22. Mr. Rutchawut Tangmanoteinchai
 23. Miss Wichian Klaicham
 24. Mr. Panya Kamen-ngan
 25. Mr. Issara Singpear
 26. Miss Piyanan Kunlamat
 27. Mr. Puree Kanjanakas
 28. Miss Jareerat Aikamfu

Students :

1. CHANATDA MATURAKAN
2. ALISA TAKATA
3. SIRIPORN SRIMONGKOL
4. AIYAKAN JUNNUMSRA
5. ITTIPON PETAUM-PAI
6. PAWIN RERKSRIMONGKOL
7. THANAWUT TANGMANOTIENCHAI
8. NOPPARAT YOKMAPHAN
9. TUNPIJJA SUKKASEM
10. PANISA MEESIL
11. CHAYANUT PONGSAI
12. KACHRONPONG CHAITHONG
13. TANTAI KIRATISEHWE
14. THANCHANOK UBONBAN
15. PATTARAPORN PATTARATEERANON
16. KANPICHA PATANASAK
17. ARTHITA BARTSTRA
18. PHITCHAYA PHOTHONG
19. PANINTHORN LUEPHANICH

PART II: Information about the school's program on Education for Disaster Risk Reduction

1. Program title: Disaster Risk Reduction Program by Kasintorn Academy

2.The program, which was implemented, can be summarized according to the objectives as follows:

Objective 1 To raise the students' and the community's awareness on the problems of natural disasters

Students have understood and realized impacts from natural disasters. Students have also learned vocabularies related to International Strategy for Disaster Reduction (IDSR). They have understood the meaning of some commonly used terms, and have known about ten neighboring countries and how they have become a member of the Asean Economic Community (AEC). Students have realized that natural disasters frequently occur and each country's strategies can be used for Thailand. The school has received support and cooperation from the participants in implementing the program, which created a lot of interests.

Objective 2 To create the students' and the community's awareness on the importance of disaster risk reduction and to become knowledgeable about the subject.

Students have studied the risks from the flood disaster in their communities. Mahasawasdee canal and Thaweewattana canal are waterways that directly affect school and communities. Everyone in the community has realized the importance of keeping the canals clean, free from obstructions, and deep enough to allow quick drainage.

In addition, students have explored the problems from the 2011 flood disaster in Thailand, and created prevention strategies to prepare and reduce risks in case the flood happens again. Furthermore, students have learned about simple circuitry and household appliance maintenance to better prepare for flood, to reduce loss of lives. Many Thai people were found dead from electrocutions during the past flood disaster. The school has received cooperation from Petty Officer First Class Jeerasak Chomsiri Naval education department saraya which was an outside organization that sent expert instructors to our school.

Objective 3 To encourage the school and community to share plans, to innovate and to prepare for disaster risks and impacts.

The community participates in the program. Guest speakers from the community shared their knowledge, and raise the awareness of the importance of planning and preparation to reduce the loss and risks brought about by the natural disasters. The quest speakers gave classes on how to produce antiseptics out of plants, vegetables and Thai herbs. They also taught how to make an EM Ball (Effective Microorganism Ball) that helps to eliminate bad smell and increase oxygen in the water. The quest speaker, a student's parent, showed how to make a simple float made from plastic bottles, how to plant in water, how to raise aquatic animals by using simple materials, and how to survive in food shortage situation, and how to create amphibious shelter.

The program has accomplished all objectives of creating awareness among people, making people more knowledgeable about the subject, planning and being prepared to reduce the loss and risk from disasters. Kasintorn Academy has gathered information and results from the program to share with the community through broadcasting, campaign march, brochures and exhibitions.

3. Background information or rationales for program implementation

The school realizes that there have been increasing numbers of disasters happening around the world and destroying large number of lives and properties. Thailand was affected by disasters such as Tsunami, earthquake, landslide and flood. Kasintorn Academy, its students and parents were severely affected by the 2011 flood. We had to close our school for two and a half months. The buildings and trees were damaged; luckily no one lost their life. Therefore, Kasintorn Academy has realized the importance of disasters protection, preparedness, and self-reliance, to reduce any loss and risks from disasters which may affect students, parents and communities.

4. Objectives / Goals of the program

1. To be aware of effects of natural disasters.
2. To study and understand the importance of risk reduction in natural disasters.
3. To encourage school and community to disseminate the information, create innovation and to be prepared to reduce loss and risk from disasters.

5. Period of time when the program was implemented: June-July 2012

6. Activities (Short term action plans and the implementation strategies)

Objectives	Activities	Implementation	Participants (Teacher/students)	Budget
1. students will realize the problems of natural disasters	1.Vocabulary Enrichment	<ol style="list-style-type: none"> 1. Students researched for the vocabularies related to natural disasters in Thailand 2. Translated vocabularies into Thai to better understand the meaning. 3. Made an attractive and informative display board for school and community 	Grade 3 Pixies and 3 Elves Adviser : Ms. Sujitra Chang-in	300 Baht

Objectives	Activities	Implementation	Participants (Teacher/students)	Budget
	2.Living with the nature	1.Students researched for information related to disasters and disaster management in Thailand 2. Collected information about disasters, and made 'the disaster management guidebook' with pictures	Grade 7-9 Pixies Advisers : Ms. Chompunut Kongkitcharoen and Ms. Patawee Sangngern	
	3.Lessons from neighboring countries	1.Students studied disasters in ten ASEAN countries. 2.Students studied and collected information about disaster management of the ASEAN countries 3. Students put up displays and presented the information	- Include activities to lessons on all levels	
2. Allow students to study and understand the importance of natural disaster risk reduction	1.Tide and Life	1. Students researched information related rivers or canals in surrounding areas of the school including Mahasawad Canal and Taweewattana Canal. These two canals play a big role in flooding the area surrounding the school, parents' houses and community 2.Students researched information about the ways to take good care of rivers and canals.	Grade 5 Pixies and Grade 6 Pixies Adviser: Ms.Anyarin Ritnarongsit	500 Baht

Objectives	Activities	Implementation	Participants (Teacher/students)	Budget
		<p>3. Collected the information and created a big book with pictures.</p> <p>4. Put up a display presenting information to school's students, parents and community.</p>		
	2.Immunization after flood	<p>1. Students reflected on problems from their direct experiences over the 2011 flood</p> <p>2. Students identified problems</p> <p>3. Students found problem prevention strategies.</p> <p>4. Students presented and publicize the information as a project</p>	<p>Grade 8</p> <p>Advisers:</p> <p>Ms.Srisuda Masodi</p> <p>Ms.Konglha Jantakaew</p> <p>Ms.Kanchaporn Chuechai</p>	-
	3.Safety First	<p>1. Students learned about their own household appliance maintenance.</p> <p>2. Students studied about household electric circuits.</p> <p>3. Students studied and researched for information related to electrocution danger prevention for electrical appliances or circuitry during or after the flooding to reduce any losses and to promote life safety.</p> <p>4.Students applied what they have learned to create warning tools for electricity leakage</p>	<p>Grade 9 Level</p> <p>Advisers :</p> <p>Ms.Suwanna Chomsiri</p> <p>Mr. Suwit Aphichai</p>	1,500 Baht

Objectives	Activities	Implementation	Participants (Teacher/students)	Budget
		5. Presented the information and the tools in school and community		
3. To promote planning and preparation for disaster damage and disaster risk reduction.	1.Clean and Clear	<p>1. Student studied and researched how to produce any disinfectant using Thai herbs and local wisdom.</p> <p>2. Students provided the materials and tools for the production.</p> <p>3. Students produced the disinfectants.</p> <p>4. Students published and demonstrated their products, as well as distributed them to parents and community.</p>	<p>Grade 6 levels</p> <p>Advisers:</p> <p>Ms.Sukanya Marukanon</p> <p>Ms.Jessilee Ostan</p> <p>Mr.Issara Singpear</p> <p>Mr.Marilyn</p>	1,000 Baht
	2. EM Ball (Effective Micro-organism)	- Invited Miss Mathawee Eiemfang (a student's parent) to impart knowledge and demonstrate how to make EM ball to student.	<p>Advisers:</p> <p>Ms.Pochanee Pummarin</p> <p>Ms.Jarunee Klabsitong</p>	1,100 Baht
	3.Floating Device made from recycled materials	<p>1. Students collected plastic bottles from their house and school.</p> <p>2. Students used plastic bottles to make a floating device to survive or to use during the disaster.</p> <p>3. Presented the outcome.</p>	<p>Grade 4 levels</p> <p>Advisers:</p> <p>Ms.Suwanna Chomsiri</p> <p>Mr.Chuwet Wantong</p>	1,100 Baht
	4.Food sources	1. Students studied and researched information related to water plants, garden vegetables and edible aquatic animals.	<p>Grade 7 and 8 levels</p> <p>Advisers :</p> <p>Ms.Upin Triratvitcha</p> <p>Ms.Tassani Boonpa</p>	500 Baht

Objectives	Activities	Implementation	Participants (Teacher/students)	Budget
		<p>2. Using simple local materials, students planted water plants and found ways to catch aquatic animals for food to survive during disaster,</p> <p>3. Students presented the outcomes and published results</p>		
	5.Floating Shelter	<p>1. Students studied and researched information related to floating shelter.</p> <p>2. Students designed floating shelter.</p> <p>3. Students created floating shelter model from the materials that are environment-friendly and easily decomposable.</p> <p>4. Presented the outputs and give some explanation.</p>	Grade 12 levels Advisers : Mr. Ekkawat Boonsanit Mr. Wongsaya Senpeng	-
	6.VJ Academy	<p>1. Student representative collected the information and talked on school radio program about Education for Disaster Risk Reduction</p> <p>2. Student representative published the information and outcomes in a variety of channels such as the School Radio Show, exhibitions, pamphlets, campaign and publication through news media.</p>	Committee students and Grade 1-2 levels Advisers :Mr.Ruchavut Tangmanoteinchai Ms.Wichian Klaicham Mr.Panya Keman-ngan Mr.Issara Singpear Ms. Piyanan Kunlamat	-

7. Resources used for program implementation

No.	Activities/Tools	No.	Activities/Tools
1	<p>Searching for the Disaster Vocabulary</p> <p><u>Equipments</u></p> <p>1. Colored paper (Grey-White) 2. TOA glue 3. Future Board 4. Plastic</p>	6.	<p>Topic: Aloe Vera Hand Gel</p> <p><u>Equipments</u></p> <p>1. Aloe Vera Juice 2. Carbopol 3. Water 4. Glycerin 5. Masking Tape 6. Food Coloring, Perfume 7. Scale 8. Bowl 9. Measuring cup and Measuring spoon 10. Syringe</p>
2.	<p>The Disaster Handbook</p> <p>1. Photo album 2. 100 pound paper 3. Paint + brushes 4. Double-sided tape 5. Scissors 6. Tracing paper 7. Black permanent marker</p>	7.	<p>EM Ball</p> <p>1. Rice Bran 2. Husk Powder/Bran 3. Sandy Soil 4. Effective Microorganism 5. Molasses 6. Water</p>
3.	<p>Topic: Water and Life (Big Book)</p> <p>1. Colored paper (Grey-White) 2. 100 ponds fine printing paper 3. Double-sided Thin Tape 4. Color 5. Masking Tape 6. ESP Foam</p>	8.	<p>Recycled parachute</p> <p>1. Used Clothes (1-2 pieces) 2. Fabric Remnant 3. Needle/Thread 4. Plastic Bottle (800 MI.)</p>
4.	<p>Immunization after Flood</p> <p><u>Tools</u></p> <p>1. Plywood 2. four pieces of big future board 3. One bottle of Adhesive Latex 4. Five copies of newspaper 5. Three rolls of toilet paper 6. Three bottles of water color 7. Six pairs of gloves 8. Tools for board decoration 9. Magic Crystal Gel 10. One piece of cellophane 11. Four bags of young plants</p>	9.	<p>Floating Kitchen</p> <p><u>Fishing tools</u></p> <p>1. Plastic bottles 2. Plastic rope 3. Net 4. Needle and thread 5. Glue gun 6. bamboo 7. Steel wire 8. Plastic Pipe 9. Fishing cod</p> <p><u>Garden Kitchen/ Gardening tools</u></p> <p>1. cans of condensed milk 2. Plastic Pipe 3. small basket 4. Plastic bottles 5. string 6. Frying pan 7. Gardening soil 8. fertilizer 9. seeds</p>
5	<p>Flood Water Electric Shock Warning</p> <p>1. PVC pipe (1 inch and 2 meters long) 2. Two pieces of clamp 3. Sand paper 4. Two red LED lamps/lights 5. 16-meters wire 6. Electrical tape 7. Soldering iron and lead</p>	10.	<p>Floating House</p> <p>1. Paper boxes 2. Cones of toilet paper 3. Glue gun + Hot melt glue stick</p>
		11.	<p>VJ Academy - Internet</p>

8. Monitoring and evaluation mechanism and results

The school has determined the time frame for program implementation and outcome promotions

9. Participants

Name of partners	Role or contribution
- Naval education department saraya 1. Petty Officer First Class Jeerasak Chomsiri 2. Lieutenant Wiriya Memoo 3. Seaman Supakit Paraju	Send 3 lectures to impart the right knowledge and to demonstrate how to create flood water electric shock warning
- Students' Parents 1. Miss Mathawee Eiemfang	1. Impart the right knowledge and demonstrate how to make EM balls (Effective Micro-organism balls)

10. The benefits of the Program

1. Students, parents and the community become knowledge and understand the impacts of disasters. They are more willing to cooperate and work as a team to reach a common goal.

2. Students, parents and the community become more confident on how to survive in any difficult situations.

3. Students, parents and the community acquire new knowledge and skills that can be used to improve their life.

4. Students, parents and the community are able to apply the knowledge, understanding and skills to manage the risk, as well as are better equipped to face any disasters.

11. Sustainable Plan and Future Plan

1. Plans are integrated into all learning content areas of the school curriculum.

2. The school includes the program as a yearly activity to ensure consistency in the awareness of disaster risk reduction and to equip students and the community with ways to survive the disasters.

12. List of the attachments

1. Vocabulary worth knowing	10 words
2. The Disaster Handbook	3 books
3. Display Board	
- Vietnam	1 board
- Myanmar	1 board
4. Big Books	2 books
5. The “Songs for Moral Support” Board	1 board
6. EM ball model	1 board
7. Board “Knowledge about danger caused by flood”	1 board
8. Board “Information about overpricing of daily goods	1 board
9. Handbook on Electrical Safety Testers	1 books
10. Aloe Vera handwashed gel	2 bottles
11. Video and display board about “How to make your own Aloe Vera Handwashed gel”	
12. Brochure on How to make EM ball	
13. DIY Life Vest handbook	1 book
14. Sample of DIY Life Vest	2 pieces
15. Floating house structure design model	3 models

13. Activities' Photos