

Supporting Partners:



Bangkok Office  
Asia and Pacific Regional  
Bureau for Education



Bank of Tokyo-Mitsubishi UFJ

## Submission Form of 2013 SEAMEO-Japan ESD Award

Theme: Values Education

The last day for submission of entries: 16 September 2013

### PART I: Details of Your School

1. Name of your school: **Srivikorn School**
2. Full address: **1020 Sukhumvit Road, Phraakanong, Klongtoey, Bangkok**
3. Postcode: **10110**
4. Country: **Thailand**
5. Telephone number: **+662 712 1001 ext. 731**
6. Fax number: **+662 392 9681**
7. Name of the School Director: **Mrs. Anchalee Phuprasert**
8. Name of Teacher Coordinator: **Mr. Ekkasit Phonksawai**
9. Email address: **anchalee@srivikorn.ac.th , wangpengzhong1989@hotmail.com**
10. School website: **www.srivikorn.ac.th**
11. Educational level: **Kindergarten 1 to Grade 12**
12. Number of teachers in your school: **89**
13. Number of students in your school: **1,020**
14. Please provide the name of teachers and students who were/have been involved in the planning and implementation of this school activity/programme on Values Education.

Teachers:

- |                      |              |
|----------------------|--------------|
| a) Mrs. Surunporn    | Dornsaenprab |
| b) Mr. Sompot        | Naebnian     |
| c) Mr. Natthapat     | Hinchaisri   |
| d) Miss Thitipa      | Malee        |
| e) Mrs. Ratchadaporn | Jaikla       |

Students:

- |           |                |     |
|-----------|----------------|-----|
| a) Daneil | Narin          | G.6 |
| b) Jaonai | Akarasetthung  | G.6 |
| c) Korn   | Thipsombatwong | G.6 |

d) Phichaphat	Watcharathiti	G.6
f) Phinyaphat	Phonksuriyachote	G.5
g) Atiwit	Kornprom	G.5
h) Suchapong	Wongsasathein	G.5
i) Daneil	Berr	G.5
j) Nadia	Kazi	G.5

## **PART II: Information about the School's Values Education Activity/Programme**

The information of part II from no.1 to 14 should be no longer than nine (9) pages long of A4 in total. The information should be written in Times New Roman font, 11-12 point size.

### 1. Title of the school's programme

#### **Awareness of Eco-Friendly Programme**

### 2. Summary of the programme (a half to one page A4)

**Awareness of Eco-Friendly** is the programme that aims to provide students with modern agricultural knowledge and also foster their awareness of nature conservation. We started our programme with a "**Worm Farm**". We built hygienic worm beddings, called a "worm condominium" after visiting a professional worm farm to learn how to make a worm farm. We fed the worms, bred, made fertilizer and distributed it. Our students also use this worm farm for their science experiment lab. So, they learned how to do research to develop their products. Furthermore, they brain stormed for marketing strategies to sell the fertilizer. Of course, they plan to publicize this project to enhance their awareness in their community.

Our next step is "**Organic Farming**" which we will experiment with different kinds of fertilizer to grow vegetables and discover which is best. One of those is our worm fertilizer. We hope our students will realize the importance of food security and environmental conservation. They will have an opportunity to do organic production, processing, and also marketing because we always enhance their systematic learning. At the moment we are in the step of learning and setting-up a good area for our farm. Our plan is as well organized as the worm farm. That means our students have to grow organic vegetables themselves, take care of them, sell the fresh organic vegetables or make organic products and sell them.

At the same time, we have the other team to run the project of "**Waste Bank**" that supports the other two programmes to complete **Awareness of Eco-Friendly Programme**. All Srivikorn students are encouraged to consider the importance of waste separation. In our school, there are separate containers for the different types of waste, **Organics** (food, soiled paper products, etc), **Recycling** (aluminum and tin cans, plastic bottles, juice boxes, plastic bags, etc.). The organics waste will be eliminated appropriately while the recycling waste will be collected in the Waste Bank. When any teachers or students want to use these things for art work or any project work, they will ask permission from the teacher who takes care of this project.

### 3. Background information or reasons why the school created this programme

Education should not be limited to the textbooks and the classroom. Students should benefit from a wide variety of experiences and be able to link their knowledge to the real world. Then good values and desirable characteristics will be fostered in them. Eventually, they will become model Thai and global citizens.

Awareness of Eco-Friendly Programme, related to our school vision, was created to conform to the mentioned educational philosophy. Although our school, located in the central Bangkok, has many modern buildings and facilities, we also have nature-learning resources and environment-minded projects to encourage our students' values of sufficiency economy and enhance their experience of environment awareness.

4. School vision, mission and core values

**Srivikorn School Vision:** Srivikorn is a topflight private school in managing learning-activities to acquire language skills using innovative applications. We implement international standards and include Thai culture, ethics development and public-mindedness.

**Mission:** To build a strong foundation in which students can enrich their knowledge and provide up-to-date resources and a clear understanding in all subject matters so that they may excel in any field they are interested in; all this with morality, modern technology and Thai culture as the cornerstone for their education.

**Core Values:** Good language skills, up-to-date technological skills, high moral character.

5. Objectives/goals of the programme

1. To encourage student's discovery and team-working skills integrating their knowledge and learning experience into real life.
2. To enhance students' experience of environment awareness.
3. To develop students' community social responsibility.
4. To develop relationships with parents and the community

6. Values that the school aims for within the programme and/or definitions

We aim to encourage students' experience of linking knowledge to the real life, environment awareness and community social responsibility.

7. Period of the time when the programme was or has been implemented

The Programme has been implemented for one year. We are still developing it and try to link to the school curriculum.

8. Activities (Actions and strategies of implementation)

Activities of implementation include:

**(1) A Worm Farm**

1. We sent some teachers to learn about worm farming at Chokdee Worm Farm in Ratchburi.
2. We built hygienic worm beddings, called a 'worm condominium', with plastic bins.
3. Then we brain stormed to apply our knowledge to practical procedures as follows:
  - 3.1 Fill up the worm bins with the soil of soaked cow's dung. The dung must be soaked for 3 days and must be drawn off the water every day to reduce acidity.
  - 3.2 Put worm breeders in the prepared bins.
  - 3.3 After feeding the worm breeders for 30 days, separate the breeders to the new bins and leave the larva in the old bins.
  - 3.4 Feed the worms for more 45 days.
  - 3.5 Winnow the worms from the soil that becomes the fertilizer.
  - 3.6 Pack and distribute the fertilizer.

**(2) Organic Farming**

We have just recently started this activity; we sent our teachers and students to learn about organic farming and rooftop garden at Klongtoey District Office and Fresh Garden Hydroponics in Bangkok. Now we set up the area and hired architects to design our organic farm because we have limited area. Our next step will be as follows:

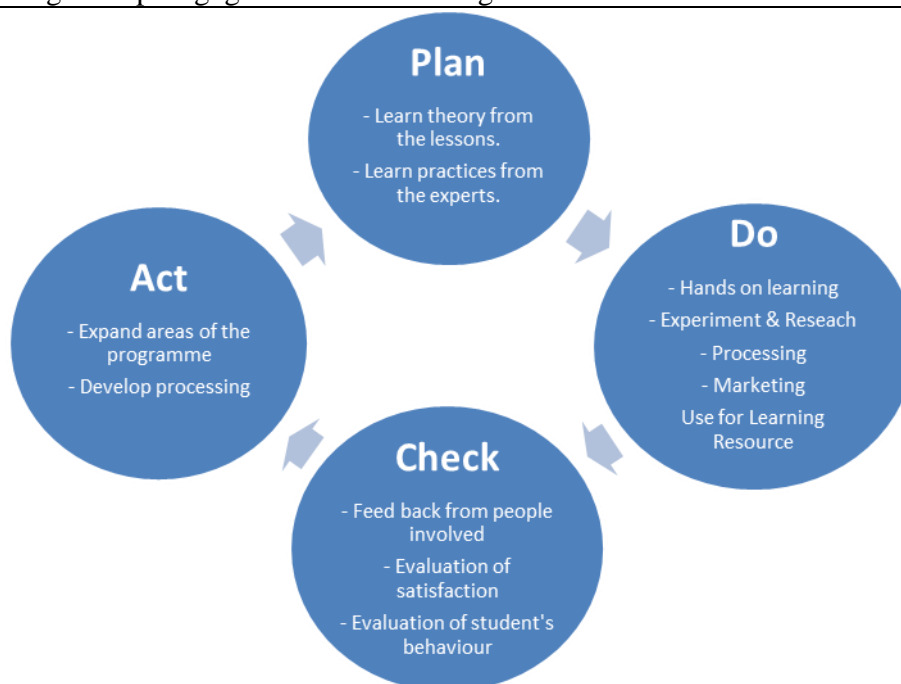
- 2.1 Students grow organic vegetables with different materials; soil with worm fertilizer, soil with chemical fertilizer and organic materials, because we want the students to do research.
- 2.2 Students take care of the vegetables.
- 2.3 Students observe and report research of comparison vegetables grown by different materials.
- 2.4 Students pick the vegetables and sell some fresh ones to the parents, teachers and visitors.
- 2.5 Some vegetables will be used for cooking to encourage awareness of healthy food.

### (3) Waste Bank

**Waste Bank** was launched for the first step in May 2013 because we want our students to learn many aspects of the eco-friendly cycle. We started by send some teachers to learn how to arrange the waste at the Thai Health Promotion Foundation in Bangkok. We teach and encourage our students' awareness of waste separation. The plan for this activity is as follows:

- 3.1 Place the different bins for different types of waste; organics and recycling.
- 3.2 Organics waste from students' and teachers' lunch and meals will be eliminated appropriately.
- 3.3 Recycling waste will be collected in the Waste Bank, a room in the building.
- 3.4 Recycling waste will be taken out for teaching or making art work.
- 3.5 Hopefully, we have great amount of recycling waste, we will sell some and donate some to the community who need it. That means students will have an opportunity to learn how to manage account and finance systems.

#### 9. Teaching strategies or pedagogies used for teaching values in the school



#### 10. Programme monitoring and evaluation mechanisms and summary of results

We have been running the experiment for one year and we have great number of original worms and we distributed our worm fertilizer more than five times with positive comments from our customers. However, our purpose is not to build a business but to encourage our student's learning skills and pride with valuable experience of practical lessons outside the classroom and textbooks. Moreover, this project also increased community relations because our SK Worm Farm is willing to help and offer suggestions to anyone who is interested in setting up their own worm farm.

#### 11. Resources used for programme implementation

1. Chokdee Worm Farm, Ratchburi
2. Klongtoey District Office, Bangkok
3. Fresh Garden Hydroponics, Bangkok
4. Thai Health Promotion Foundation, Bangkok

12. List of partners, local government bodies, companies or development agencies who have participated in the planning and implementation, including their roles in the activity/programme.

<b>Name of Partners</b>	<b>Roles or contributions</b>
a) Chokdee Worm Farm in Ratchburi	Resource
b) Klongtoey District Office in Bangkok	Resource
c) Fresh Garden Hydroponics in Bangkok	Resource
d) Thai Health Promotion Foundation in Bangkok	Resource
e) Some parents	Customers and experts

13. Benefits/Impacts/ positive outcomes of the activity/programme to teachers, students, parents and the community

According to the objectives stipulated, **Awareness of Eco-Friendly Programme** provides benefits to all parties:

**Students:**

1. have excellent practical learning resources which they can link to their knowledge of real life.
2. are provided experience of agricultural processing, doing research, running business including marketing.
3. Have increased values of environment awareness and community social responsibility.

**Teachers:**

1. have teaching resources with real materials in school that support “Learning by Doing” approach.
2. foster student’s desirable characteristic such as responsibility, team working and community social responsibility.
3. encourage students to follow H.M. The King of Thailand’s philosophy of Sufficiency Economy.
4. practice “Research and Development” work.
5. increase relationship with parents, education network and the community.
6. become a learning centre for visitors who are interested in environment conservation.

**Parents:**

1. have an opportunity to participate in their children’s learning by being customers.
2. are invited on many occasions to cook or make art-work using organic products or recycling waste
3. benefit from their children’s awareness which they apply to their daily life such as waste separation, healthy food, earn some income by their own products, etc.

**The community:**

1. gets learning resources for the organizations that are interested.
2. develops modern agricultural methodology in the community.

#### 14. Proof of achievement from students, teachers and the community

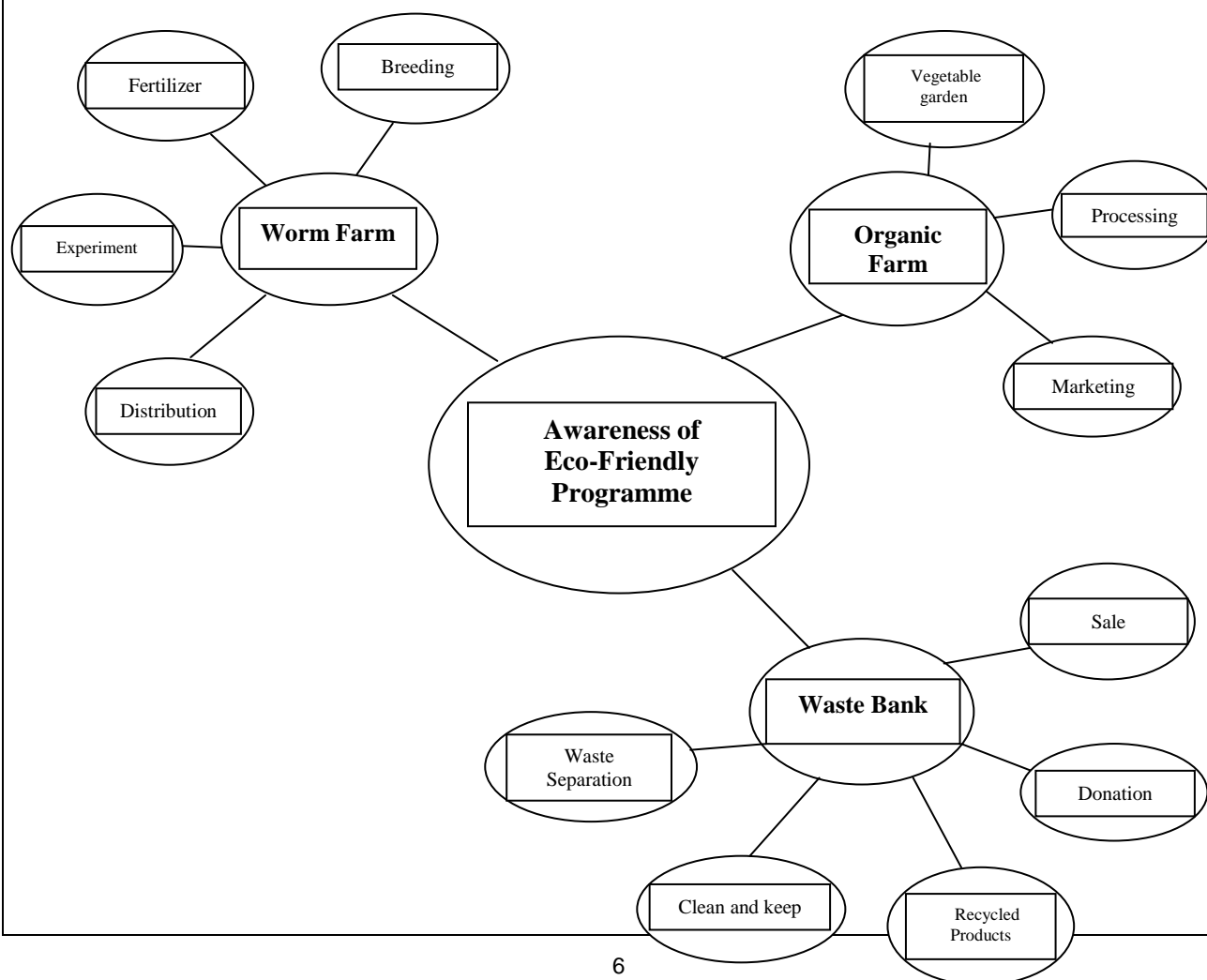
Although we cannot make great monetary profit from our products; worm, organic and products made of waste, our students receive a wide variety of experience. They enjoy learning through real practical activities. They spend their free time to take care of their products. They create many products and do marketing strategies for their products. They are proud of their products they made when they can make money from those products. They apply their knowledge and experience to their family and community. Their record of income and expense, waste collecting and plan for marketing are the proof of their achievement. Furthermore, feedback and comments from their parents and the school visitors prove that our students succeed in the objectives we stipulated.

Teachers are satisfied with interesting practical resources that support their teaching methodology. Those resources are more valuable than science labs because they can use them for teaching science, social studies, business, home-economy and many values. The students' behavior develop in responsibility, environment conservation and public mindedness, products produced by students and result of student's evaluation are proof the achievement from the teachers.

Many schools and organizations visit our school to learn **Awareness of Eco-Friendly Programme**. They kindly share knowledge and experience with us. They buy good quality products from us. Many newspapers interview our school manager and publicized our programme. Those prove that we are accepted to be the model of "Eco-friendly Awareness School".

#### 15. Plan for sustainability and plan for the future

Our programme not only includes Worm Farm Project, but we also extend to other projects which are waste bank project and organic farm project. They are in the early stages of development. The chart (page 7) will represent our plan for the future and sustainability.



For our continuity, our G.4 - G.6 students are required to participate and learn about the procedure of making fertilizer from cow's dung. In a week, they learn one to two periods. Also this is concordant with Career subject in our school.

16. List of attachments such as a copy of the school plan, learning/ teaching materials, samples of student worksheet, manual, etc. If the attached materials are in the local language, please provide a brief description in English language.

In Academic Year 2013, our school plan starts from May 16, 2013 – March 30, 2014. We aim to create an awareness of nature environment to primary students especially G.4 - G.5 students. Mrs. Ratchadaporn Jaikla and Mr. Pairote Petcharat are responsible for the programme. It is explained in brief information as follow:

May 1-25: Teachers and primary students learned how to start and develop a worm farm.

May 25-30: Proposed the project for approval.

June 1-15: Set up a meeting with teachers who are involved and purchased the materials.

June 15- July 30: The procedure started.

August 1, 2013 – March 30, 2014: Distribute the fertilizer.

17. Photos related to the activity/programme (Maximum of 10 photos with captions in English)

Photo 1



Teachers took a study tour to learn about worm farm in Ratchaburi Province.

Photo 2



Our students were blending the cow's dung carefully together.

Photo 3



Our worm breeders!

Photo 4



Our high school students were winnowing the worms from the soil that would become fertilizer.

Photo 5



Our teachers and primary students helped pack the fertilizer.

Photo 6



Primary students distributed the fertilizer.

Photo 7



Apart from distributing, we also apply our fertilizer to our garden. We were harvesting watercress.



Photo 8



We are giving an observation tour by some schools in Bangkok.

Photo 9



We welcomed the Interact visitors from Japan to our worm farm.