ASEAN ECO-SCHOOLS AWARD 2015

in conjunction with

ASEAN ENVIRONMENT YEAR 2015

29 - 30 July 2015

NAY PYI TAW, MYANMAR



ABOUT THE ASEAN ECO-SCHOOLS AWARD PROGRAMME

ASEAN Eco-Schools Award Programme is one the activities implemented under the ASEAN Socio-Cultural Community Blueprint 2009-2015 and ASEAN Environmental Education Action Plan (AEEAP). The implementation of the activity is guided by the ASEAN Guidelines on Eco-Schools which was adopted at the 13th Informal Ministerial Meeting on Environment (IAMME) on 18 October 2011 in Phnom Penh, Cambodia.

The ASEAN Eco-Schools Award aims to give a recognition to schools that have exemplary eco-schools programmes, so as to encourage them to continue their efforts as well as encourage other schools to follow their lead. The inaugural ASEAN Eco-Schools Award Presentation Ceremonywas held on 17 July 2012 in Kuala Lumpur, Malaysia, in conjunction with the ASEAN Environment Year 2012.

This year, the 2nd ASEAN Eco Schools Award Presentation Ceremony is held in conjunction with the ASEAN Environment Year 2015 on 29 July 2015, in Nay Pyi Taw, Myanmar. Two schools from each ASEAN Member States in the category of Primary and Secondary education respectively have been nominated by their respective countries to receive the Award as Champions for their efforts in promoting environmental education both through intra- and extra-curricular activities in accordance with their national eco-schools programme and the adopted ASEAN Guidelines on Eco-Schools.

ABOUT THE ASEAN ECO-SCHOOLS AWARD TROPHY

Tokens of appreciation in the form of trophies are presented to the schools as recognition for their exemplary efforts in promoting environmental education in schools and surrounding communities.

The ASEAN Eco-Schools Award trophy is made from transparent acrylic with engraved tree branches. The design reflects the important role of environmental education (EE) and education for sustainable development (ESD) towards a Clean and Green ASEAN community.

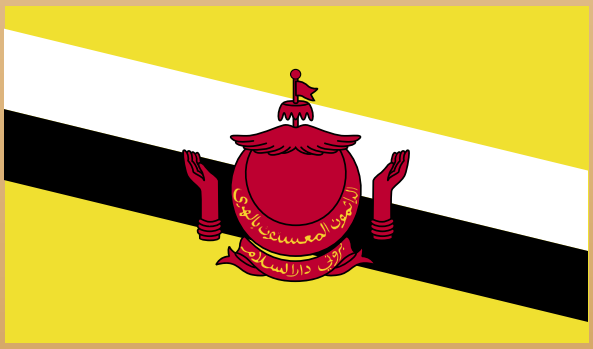
The production of the trophies and this booklet is supported by Hanns Seidel Foundation (HSF).



THE ASEAN ECO-SCHOOLS AWARD TROPHY

RECIPIENTS OF ASEAN ECO-SCHOOLS AWARD 2015





BRUNEI DARUSSALAM



SEKOLAH RENDAH JERUDONG (Primary School)

Sekolah Rendah Jerudong (SRJ) is a local government primary school located in the capital of Brunei Darussalam. It has a population of about 450 students and 60 staff, 50 of which are teachers.

The School covers 7 blocks of land in a total of 1.7 hectars (17,000 square meters). The land is about 30% buildings, 30% grassy sports field, 10% concrete paths, roads and parking, 5% concrete court and playground (recycled tier mats over concrete), 7% tree cover, 2% gardens, and 16% other grassy areas with smaller trees.

The Green activities carried out in the school are as follows:







Recycling:

This is the 4th year of the school's recycling endeavours with 2014 being a bigger push in this area, with the school's own recycling competition and the interschool recycling competition, the HP Recycle drive.

The school's 2014 recycling competition consisted of the amount of recycling brought in by each student being logged, weighed and earnings calculated. The students that recycled the most weight, and students that brought in the most valued recycling won prizes. The prizes were sponsored by a local business. The total recycling income is displayed in the staffrooms which gets added to after each consecutive rubbish collection.

2015 has seen a bigger push in the interclass recycling with each class gaining points based on each individual bottle, or can collected in the class. The value given to each object is hoped to also help reduce litter in the school as this will give a definitive measurable value that the students can understand. The results of this are also being displayed in the administration block staffroom. Both staffrooms also compete against each other.

Before recycling was started in the school all waste was collected by contractors to be disposed of in the landfill. With the students bringing their recycling from home the school is now seen as a collection point, where home recyclables that could have otherwise been thrown into the landfill are now being recycled.

In the future we hope to have a more purpose built recycling area that has better access to the street so other local residence can use it easier as a drop-off point.

Earth Day planting

For a few of years in 2012-2013, fruit trees were planted on the unused grassy areas of the school grounds and in 2014 seeds were grown.

This program is not monitored, but initiated each year around Earth Day with trees sponsorship by a local business, who was also participating in the Earth Day event. The planted trees and signage do get seen every day by the school community.

SEKOLAH MENENGAH MUDA HASHIM (Secondary School)

Sekolah Menengah Muda Hashim was established in 1967. It is an all-boys secondary government school, located at Tutong District. It spanned around 7 acres with a population of 733 students.

By far, Sekolah Menengah Muda Hashim undertake several green programmes. Programmes were carried out by the school as a whole and also incorporated environmental literacy in line with SPN 21st Century Skills.

In 2013, the school participated in "School in the Garden Project". This project was jointly organised by the Department of Environment, Parks and Recreation and Ministry of Education. Gardening activities are done weekly, in which different classes were allotted green spaces around the school ground. The allotted green spaces were tended by the teachers and students. They weeded, added fertilisers and watered the gardens. Various flowers were planted to beautify the school compound. These activities resulted in our school looking aesthetically pleasing. It also fostered closer ties amongst school communities, simultaneously developed gardening skills and cultivated love for nature.



On 15th April 2014, HP Recycling Drive was officially launched in our school. It is a green programme jointly organised by Sulaiman Development Services Sdn. Bhd, Environmental Recycling Sdn. Bhd. and the Department of Schools, Ministry of Education. This drive cultivated the recycling habit and reduced waste. Consequently, students became aware on importance of recyclables and recycling. Remarkably, it developed recycling spirit for students to identify recyclables and non-recyclables. Overall littering problem also lessened as it inculcated social obligations amongst our students.









On 31st August 2014, Green Youth Leaders workshop was held at Bintudoh Greenspring Resort organized by Green Brunei. Activities held were "Know your local fruits" which encourage the youths to preserve our culture in terms of locally-grown fruits and up-cycling that tests their creativity over old newspapers. Participants of this green workshop also had a "Debate" on current eco-issues in Brunei. In addition, participants were exposed to kayaking as a way of appreciating the aquatic life and wildlife around them harmoniously. This workshop enabled youths to gain insights over environmental issues, and be proactive in order to keep our environment sustainably.

Apart from leadership-oriented green workshops, our school held Cheery Class Contest throughout Term 2 until Term 4 2014. This contest aimed to boost better school's indoor and exterior. Every

class was judged and awarded over its cleanliness, neatness and overall classroom decor. Subsequently, it promoted clean and healthy learning space.

Curriculum-wise, teachers incorporated eco aspects in their lessons. Year 9 agricultural science students, in particular, do cultivation as practical O-level examination assessment. Whilst Year 7 students do recycling and recycling collection as parts of social responsibility. The activities resulted in the students developing positive attitudes towards Mother Nature and developing gardening skills.

Earlier this year, the school set up Ecogreen Club headed by Youth Environmental Envoy. Masthuriah Masronny. In this club, activities were designed to teach students from hands-on personal responsibility to being global citizens. We held discussion over current eco-issues, upcycled tins, created posters on eco issues and performed recycling collection service on a monthly basis.

All in all, the abovementioned efforts are done to raise environmental awareness. It is hoped that by raising eco awareness and practicing social responsibility amongst youths will ensure environmental sustainability in the long run.



CAMBODIA



WAT BO PRIMARY SCHOOL (Primary School)

Wat Bo Primary School is a public school which was built in 1957 and reestablished in 1980 after it was closed during dark time period between 1975 and 1979. Starting from scratch in 1980s, where the school had used warehouse as class rooms for children to study literature and other subjects, the school gradually gained support from parents and community. To date, the Wat Bo Primary School has two main levels: the Kindergarten and Primary School levels, covering an area of 13,702.65 square meters with total students of about 5,960, 3,442 of which are female students. The school is situated in the center of Siem Reap Town in Wat Bo Village, Salakamroeuk Commune, Siem Reap District, Siem Reap Province, Kingdom of Cambodia, about 314 Km away from Phnom Penh Capital City.

After gaining success in education system, where the school's vision is focusing on quality, morality and talent, the school has taught students about good behavior to the environment.

Beside literatures and other subjects, the school pays more attention on environmental consideration, where waste management is the primary agenda for students to practice. In this regards, the school has set up a goal that every student must have good behavior for social responsibility through three following stages undertaken by school teaching, learning, and practicing activities since 1990s:

Stage 1: Waste disposal practices, where students have been taught on know how to dispose their wastes in rubbish bins. This stage, students learned for not littering within school premises but to place their waste into the rubbish bins; there will be a punishment imposed for violating the instruction. All students in the school are required to obey this rule, and from day to day their behaviors toward the waste have been changed. They always throw waste into the rubbish bins not only in the school, but also at home and everywhere.

Stage 2: Waste separation practices, where students learned on know how to separate wastes (recycle/recoverable and non-recycle wastes). In this stage, students learned about the added value of some of their waste which can be managed to be a source of income through recyling. The school provides different types of waste receiving facilities, for example, for recycling (plastic/metal) waste, food waste, and non-recycling waste. All the recycle-able waste can be sold to provide financial support to purchase studying materials and disadvantaged students. Food waste is used for composting and fertilizing school gardens and trees.







Stage 3: Waste responsibility practices, where students learned about how to reduce and manage their consumption in order to reduce and minimize their waste. The school could lower its budget for waste disposal, and reallocate the budget to support school's facilities such as health care service, computers lab, learning materials, and social support for disadvantaged students. Further impact of this social responsibility is where students' activities contributed to keep the city and their communities as clean, green, and beautiful living environment. Nowadays, the whole school is implementing this stage.

In conclusion, the school principal, teachers, and students acknowledge the value of environmental education that aims for every student to achieve five main objectives: environmental awareness, knowledge, skills, attitude, and participation. With this aim, the school is trying very hard and facing lots of challenges, nevertheless, the school has been recognized as the outstanding clean, green, and beautiful learning environment and the school principal was also recognized as the best school principal in Cambodia.

PREAH SISOWATH HIGH SCHOOL (Secondary School)

This year, under the collaboration between the Ministry of Environment and the Ministry of Education, Youth and Sports, the Cambodia's Eco-school Program was initiated in Preah Sisowath High School under the theme **"Preah Sisowath: Clean Environment, Green School and Healthy Life"**, aiming to promote



the Environmental Education and Awareness to all students, range from grade seven to twelve.

In order to achieve the school's vision, **"Clean Environment, Green School and Healthy Life"**, many activities are included in the project's campaign. These include teaching the Environmental Management, Waste Separation and Management, Tree Planting and 3R concepts, etc.

The school believes that lessons in the class alone would not effectively help in improving students' knowledge and awareness. It requires more practices in real life. With the theme, **"Preah Sisowath: Clean Environment, Green School and Healthy Life"**, we aim to equip our students with not only the knowledge of environment, but also the way to implement it as well. To assist the project, we have set out four main objectives; Raising awareness, Enhancing students' attitude and behavior, Promoting concept of clean and green school, and Strengthening environmental recreations activities in both school and communities.



To support this project, the school set up a campaign that involves not only teachers but also students to join seminars and workshops conducted by teachers and experts from the Ministry of Environment on the topics related to waste recycling and reducing the overuse of plastic bags. At the same time, a voluntary student club concerning on environment or so called "Eco-club" was set up in order to support the achievement of our school's vision. The club has led their classmates to clean the school area (as scheduled and set by the school), and plant trees under the guidance of the teachers.

Several activities related to environmental education which have been implemented by the school, are among others;

- Meeting of school administrators, teachers, volunteer students (Eco club) and sellers to introduce the idea of 3R (Reduce, Reuse, Recycle)
- School administration, teachers and Eco club students cooperate to educate other students on how to separate the waste into their categories (Plastic, Wet, Dry)
- Production of posters/images for students, emphasising the importance of 3R, the reduction and division of trash, and how to upcycle waste plastic bags into flowers and mugs

- Teachers and students, in collaboration with the local authorities held a parade to raise awareness and clean the inner and surrounding environment of the school, and to show environment equality
- Trees and green plants were planted to create a greener sanctuary.



INDONESIA



SEKOLAH MENEGAH PERTAMA NEGERI (SMPN)/ JUNIOR HIGH SCHOOL 4, MARTAPURA, SOUTH KALIMANTAN (Primary School)

SMPN 4 Martapura, established since 1987, was built on the area of 8000 m2 and located in Martapura city, Banjar District, South Kalimantan, Indonesia. It consisted of 24 group studies, 744 student, 46 teachers and staff. For the last 10 years, SMPN 4 Martapura has been committing to manage the environment, starting as Healthy School.

SMPN 4 Martapura's vision is "To Generate Religious, Healthy, Smart, Skilled, Spirited, and Environment-Minded Graduates". It has been formally organizing Environmental Education since the school year of 2006/2007 that is supported with the school policy, curriculum, participatory activities, school facilities and infrastructure, with the motto "Our Pleasant School : Our Bright Future."

In its progress and development, SMPN 4 Martapura has been working together with 14 local government agencies, 4 State Owned Enterprises in Banjar District, students' parents and the school committee. Up until now, it has fostered 30 schools, and also has been socializing Adiwiyata program to more than 123 schools in South Kalimantan.

A number of programs that are in accordance with the vision and mission of SMPN 4 Martapura have already been implemented, e.g. the integration of environmental materials to school subjects. There has been a significant change to the shade level of the school, from 8 to 102 of shade trees of 32 species. The activity towards the food self-sufficiency program includes the management of integrated fish ponds (2000 catfish, with integrated vegetable







garden), the water self-sufficiency program (the utilization of waste water, rainwater collecting), energy self-sufficiency program (the installation of solar panel with the capacity of 2000 watt, the usage of waste for fuel methane), eco-transportation, waste management self-sufficiency (waste sorting, Reuse-Reduce-Recycle program in the making of educational learning tools, collage of the trash bin, potted houseplants, craft fabric / paper / plastic, waste bank, composting), the learning activity has also been done outside of the school such as reclamation, fishery, farming, urban forest planting, and waste management in the landfill. A number of supporting facilities include: Adiwiyata school development room, green house, biopori (infiltration well), and water recycling. The development of environment-based school has also been manifested with the establishment of the student activity units such as Green Youth Cadre. It has more than 1776 student cadres now.

Through a number of the activities that have been stated above, SMPN 4 Martapura has been awarded as the Adiwiyata School of Banjar District (2009-2013), Adiwiyata School of South Kalimantan Province (2010-2014), National Adiwiyata School (2010-2011), Independent Adiwiyata School (2013), thus making it the referral school for comparative studies of other schools and Government Agencies / Institutions, both from within and outside South Kalimantan. Another form of appreciations that have become the pride for SMPN 4 Martapura is the visitation from the members of House of Representatives, District Regent, the Governor, and the Minister for the Environment of the Republic of Indonesia.

SEKOLAH MENENGAH ATAS NEGERI (SMAN)/SENIOR HIGH SCHOOL 2 TEMANGGUNG, CENTRAL JAVA (Secondary School)

Senior high school (SMAN) 2 Temanggung is one of Adiwiyata Mandiri school since 2012, located in Pahlawan street in the mount Sumbing area, Temanggung regency, Central Java. The school has many extraordinary activities in supporting the environmental conservation in school area. In 2014, SMAN 2 was awarded as the first winner of green school from the State University of Semarang. This award has advanced environment activities in the school area. The Adiwiyata mandiri monument was erected at the front hall of the school to commemorate the award. The students also won many trophies for various 3R displays (reduce, reuse, and recycle products made by the students) competition.

The implementation of environmental education programs in SMAN 2 Temanggung started with the development of environmentally school policies. School regulation has been developed to support the creation as the Adiwiyata school, such as vision and mission, discipline, appeals, curriculum and campaigns related to environment development.

The school curriculum has been developed related to environment education through the implementation of a new curriculum which





is already integrated with environment. The school implemented this new curriculum to several subjects such as chemistry, biology, geography, religious education and others, also environmental education development through education with local content.

The green, fresh and clean environment has helped learning and teaching process in the school for students and teachers. Students can learn the subjects well, and it also encourages teachers and staffs' enthusiasm in doing their work. SMAN 2 Temanggung has some green facilities such as green house area, school forest, biodiversity yard, various plants, fish pond, birds, guinea pig and cemani chicken yard. All of these facilities are also to support water and environment conservation. It empowers the students to be a part of conservation. There is also a vertical garden or verticulture near the fishpond.

There are a lot of activities conducted by SMAN 2 Temanggung. Having a garbage bank is one of its main characteristics of this school. The students from environmental care group sort the plastics and trash paper. It is done monthly. Workshops about environment were also organised, inviting people from environmental Non-Government Organisations. Moreover, the school also has many non-academic activities, *among others*: organising a colouring competition for kindergarten, recycling competition and fashion show, planting 1 million trees together with local people in Posong Kledung,

planting trees in Oxygen Invest action in Tlaga Pucang Kandangan subdistrict, Eco Drama-play Festival, 3 D Eco Wall Magazine Festival in collaboration with journalism extra curricular, student Red Cross training on handling fire and extinguishing fire. Being awarded with Adiwiyata Mandiri School is one the greatest achievements of this school.

Let's come and join us to conserve the environment in Senior High School 2 Temanggung!!!



LAO PEOPLE'S DEMOCRATIC REPUBLIC



THONGKANG PRIMARY SCHOOL VIENTIANE (Primary School)

The eco-school project in the Thongkang Primary School was started by tree planting, such as coconut trees and other trees with guidance from Green, Clean and Good Quality project implemented in 2004-2005. This activity aimed to provide good environment at school for the students to enjoy their learning.

In the first year of the implementation of the project. Thongkang primary school received the third place of Green Clean and Good Quality school. Then in the second year, the school received the second place and in the third year received the first place of Green, Clean and Good Quality school. After holding the first place of Green, Clean and Good Quality school for three consecutive years, the school was awarded with Green Flag. The school was also awarded a Trophy for holding three consecutive year of keeping a Green flag.







SAYSETHA SECONDARY SCHOOL VIENTIANE (Secondary School)

The Saysetha Secondary School in collaboration with the Ministry of Natural Resources and Environment and Ministry of Education and Sports conducted several campaigns such as: Good teaching and excellent studying; Preventing and solving social problems; Building good physical environments for school and education institute; and Green and Clean Beautiful Laos which is one of slogans of the Ministry of Natural Resources and Environment. Green School is also promoted by the Ministry of Natural resources and Environment.



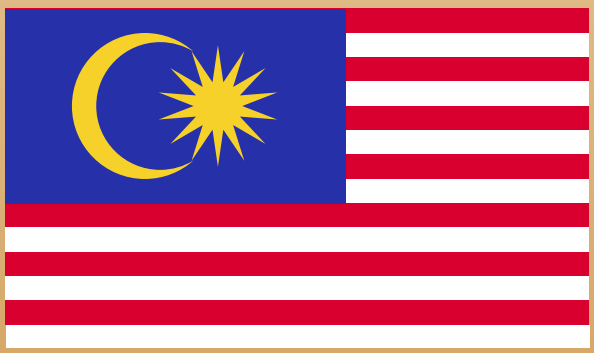




All students and teachers were involved in all environmental activities. Therefore, the school was selected to be the model of a Green School and drug-free school. The school was awarded a Green Flag for keeping a Green, Clean and Good Quality school for three consecutive years. The school was also awarded a Trophy for holding three consecutive years of keeping a Green Flag. This year is

a special year for the school to be announced as a model school of Vientiane capital city.

This school took part in the environment project supported by JICA and Green Fence. The School started from trained 8 students then expanded to include the volunteers. Now the school has 266 volunteers, 170 of which are females. These volunteers were involved in activities such as waste separation, tree planting, gardening (herbs, flowers), and land management in the school. These students have been trained on how to do composting by using leaves, hush ash, animal dung. The products are used for our school activities such as for fertilizing vegetables, flowers etc. The students also learn how to produce shampoo, soap and cleaning products in the school for domestic consumption.



MALAYSIA



SEKOLAH KEBANGSAAN BUKIT BARU, MELAKA (Primary School)

Sekolah Kebangsaan Bukit Baru, Melaka, Malaysia has long been implementing the EcoFriendly Programmes. Since 2012, the school has received many awards for these Eco-Friendly Programmes such as getting the 2"d runner-up in the Melaka State Landscaping Contest for two consecutive years, 1st runner-up in the Edible Garden Competition organised by FAMA (Federal Agricultural and Marketing Authority) and recently was awarded the status as an Eco-School for the year 2013/2014 (Primary School Category). Sekolah Kebangsaan Bukit Baru is also nominated for the 2"d ASEAN Eco-Schools Award for the year 2015.

Realising the importance of looking after the environment, the school has taken the initiative to instill the eco-culture amongst teachers and students with the slogan 'Get Creative with Reusable Resources'. Various activities were carried out to minimize wastage of natural resources through the Eco-Friendly Programmes. These programmes have shown a positive impact in making full use of the existing resources, thus reducing cost. Listed below are some of the problems and the steps taken successfully to overcome these problems:



ISSUES	SOLUTIONS	IMPACTS
1. Misplaced of textbooks by students	A lost and Found box from unused recycling bin was set up. Anyone who finds any textbook students will place the book into the bin	The textbooks will be returned to the respective student.
2. Lack of visits to the Resources Centre which is located on third floor on the school building	The school has turned an old guard into a “Mini Library”. The location og the mini library is more strategic and convenient to instil good reading habits	More students borrow books from this “Mini Library”. This enables them to read more during their leisure time
3. No proper room for storing sport equipments	Limited space and insufficient fund are two main factors for the school to turn the unused boys washroom into storeroom for equipments	The sports equipments are now kept in more systematic way with all equipment being put and labelled for easy storage and usage.






SEKOLAH MENENGAH KEBANGSAAN SERI AMAN, JOHOR BARU (SECONDARY SCHOOL)

SMK Seri Aman (SMKSA); Garden of Knowledge, Faith and Virtue is located in Felda Bukit Aping Barat, Kota Tinggi, Johor, Malaysia. SMKSA has an area of 20 acres, launched on 21st July 2003. SMKSA has received Sustainable Garden Management Award in the Malaysian Sustainable School Environmental Competition 2011/2012. This recognition reflects the SMKSA's dedication and commitment in environmental preservation.

Effective leadership, clear vision, strategic planning and skilled human resources are the core of SMKSA. Networking with various organizations and agencies ranging from government to private sector is to catalyze the sustainable school activities. The Parent-Teacher Association is also very helpful in making SMKSA a sustainable school. Adequate basic infrastructure, conducive environment and sustainable practices are school management priorities. SMKSA has also received High Performance in School Quality Management System Award at state level of Johor in 2013. The Association of Parents and Teachers support are very helpful in making SMKSA a sustainable school.

SMKSA has implemented **5 Star Classroom Program** to stimulate effective teaching and learning process. **Sustainable angle** is one of the mandatory elements. Inquiry or **Discovery Learning Stations**





such as murals, bulletin boards, gardens, sustainable project sites and the green surroundings make learning process more interesting and fun. Environmental education across the curriculum has also been **implemented directly and indirectly** according to Learning Module from Malaysia Ministry of Education for each subject.

Co-curricular board of leadership and Seri Aman Environmental Club members (KASSA) are being proactive as the main players. SMKSA received numerous awards for excellence in co curriculum management. Awards and recognition received by SMK Seri Aman in co-curricular activities:

- Special Award for Excellence Co Curicular JPN Johor2013;
- PPD Kota Tinggi Co academic Quality & Innovation Awards2013
- Finalist Award for Best Association Club JPN Johor2014
- Best Club Management Association and the Rural School Category JPN Johor 2014

SMKSA Greening Program covers the gardens management in school and various other green activities. Various activities have been undertaken to give an opportunity to all school members together to preserve and conserve the environment. Each garden is adopted by a uniformed unit. SMKSA has special parks such as Taman Seri Waja Diri camp site, Seri Arboretum park and Herb Garden. SMKSA also has a tributary lift in the school area.

Various green technology-based projects have been implemented such as rainwater harvesting, composting, organic vegetable plantation, organic pest control and soap made from used cooking oil. Production and use of Effective Microorganism (EM) in agriculture activities and cleaning is our priority.



MYANMAR



BASIC PRIMARY SCHOOL YWARTHITSU (Primary School)

The school was established in 1986, and located on the east bank of the Toe River in Layeinsu village, Maubin Township, surrounded by paddy fields, village and gardens. The school occupies 1.94 acre land and built on good compound of rectangular in shape. The school has also some facilities such as: playground, library and houses for staffs

Greening Programme

With the guidance of school council, school-children have to plant seasonal fruits and vegetables in school garden to understand the life-cycle of plants & vegetation (e.g ladyfinger, onions and eggplant etc.) and good agriculture experience.

The humus and compost from wastes are used in our agricultural work to make the fruits and vegetables organic. To greening the school and environment, regularly the school requested the students to conserve the river bank by planting and nurturing suitable vegetation. The seeds of vegetation are brought by the students, this will encourage students' sense of belonging to the environment.

Water Resource Conservation

Students are taught to not to pollute the water through campaign utilizing videos or posters, as well as prohibit them to dump waste to the river,The school uses clear rain-water for many purposes such as: drinking waters, and gardening. The rain water is collected and stored in covered tank during rainy season.

The students are also taught to drink clean water and keep the hygiene of their own water-bottle and cups. The School also organises excursion for students in the river bank and have knowledge over how to keep a river clean and survive.

Resource Coservation

The school promotes to reduce the use of plastic bag by replacing it degradable bag/wrap from local vegetation, such as: banana leaves or lotus leaves. The school also promotes recycling of waste, i.e. making teaching aid tool from plastic bottles.

Health

The school is continuously checking and ensuring that local snacks and food brought by the students are clean and hygienic. The school







prohibits the selling unhealthy food in which artificial flavour and color and chemicals are used is done at our school.

During lunch time, teachers go around and see what kind of food they brought and discuss with them about the food they eat, and what benefits they can obtain get from their meals. This will encourage students to understand about the importance of consuming healthy food.

To reduce air-pollution, our children are taught about the negative impact of burning rubbish, using engines, and advantages and disadvantages that we can gain from them. The school promotes the student to environmental friendly vehicles, such as: bicycle, rowing boat or even walking. We are striving to keep the safety and healthy to the school, and students by promoting clean, green and harmonious relation to environment.

NO 26 BASIC EDUCATION HIGH SCHOOL, MANDALAY REGION (Secondary School)

The importance of a green environment for the whole mankind has become very important and the whole world has become more alert and cautious to implement this programme. The works of Biodiversity is being intensively carried out by No.26 Basic Education High School so as to get to the root of the problem.

Watering system is one of our main asset. We can provide water abundantly all throughout the year. After working simultaneously and tirelessly for eight years at present our school is found to be standing among a small forest. Our school has achieved this feat because our students, teachers and parents work in hand and glove harmoniously. We teach and train them to love plants and the value of a green environment and at the same time spread this knowledge to our surrounding.

This greening programme and creating a healthy environment suitable for mankind could succeed only by the inclusion and of co-operation of public body. Thus we try to stimulate the public body and make good use of their resources. We never forget and neglect to take the cooperation of friendly institutions like the Forestry Department, Municipal city Development Department and Irrigation and Water resources Departments.

No.26 Basic Education High School Mandalay after realizing and considering all the factors of greening and creation of an eco-friendly environment with all the floras and faunas we took a very daring step. The school is in the dry zone and with very little rainfall and humidity. The only advantage in our favour was the availability of abundance of water. This led to our brave decision to make our school green realizing that if perfect planning is systematically done our scheme will definitely bear fruits.

First and foremost we named the scheme “GREEN SCHOOL” and had huge impact. Next we set up vision, mission and core values of the scheme. They were to create eco-friendly system within the framework of our school, to know that Education is the most powerful weapon which you can use to change the world and finally to enable everyone to understand the value of a green environment.

Each and everyone involved in this programme must know how to utilize the experience and further share with others and know the importance of this national cause. We also kept in sight the ability of students and teachers to improve and wish to take responsibility. They all know that the importance of the

“GREEN SCHOOL” Scheme was not to be limited within the school compound but need to be extended for beyond the borders of the school and their daily life.

There project was carried out throughout the whole year may it be summer, winter or monsoon. Once drawing out a concrete plan for school greening it was not only meant to sow seeds or grow plants.

The interesting and notable activities you will find to our success is constantly trying to bring in sustainable development and community development. It means all round co-operation between students, teachers and parents. At the same time we made good use of the Agricultural text book prescribed by our Education Departments. It was used in both theoretical and practical works. The vast unused area of our school Compound is also an asset for our programme.







This programme which came to action beginning from 2008 has now totally changed the environment and look of our school. One can see and observe tress (both long term and short term) flower plants, lawn, vegetable beds and medicinal plants. It has become the pride of the the school. The students, staff and visitors find cover and shade everywhere in the school compound. The result is that positive impact has been relayed to students, teachers, parents and to the community residing in Chan Mya Thar Zi Township.

The complete progamme was closely monitored by the "GREEN SCHOOL" committee. They checked and gave necessary guidances. The Township Education office, The District Education Office and Divisional Education office never hesitated to give necessary help, advices or assistance. All our hardwork for this "GREEN SCHOOL" also was greeted, embraced and appreciated by the higher authorities of Mandalay Division. We have been awarded

(1) Best Green and Clean school of the Mandalay Division for six years continuously. Likewise

(2) Prize by the ministry of Forestry Department. (2009)

(3) Prize by the Ministry of Electricity and Energy Department (2010)

(4) Prize by Mandalay Mayor's office (2011)

(5) Mandalay Division Prime Minister's office (2012)

(6) Eco Model School Prize by MCDC. (2015)

The awards have encouraged and urged us to move forward and forward. The whole school has vowed to do more and more for the betterment and achieve more for humanity



PHILIPPINES



DUBINAN ELEMENTARY SCHOOL, SANTIAGO CITY (Primary School)

Realizing the importance of safe, clean and green environment, Dubinan Elementary School strongly abides and enforces the environmental policies crafted to sustain the programs, projects and initiatives.

Lessons on environmental protection, waste management, water and electricity conservation, anti-smoking and other programs are being taught. Daily lesson plans are being checked and there were a series of classroom observation and supervision to monitor the integration of environmental themes in the curriculum. Teachers were also trained on the different strategies and methods in teaching and in the preparation of instructional materials suitable to the environmental lessons and to the needs of the pupils.

There is an observance of Eco-Day every Thursday for the collection of plastic bottles, scraps, recyclable materials, clean and green activities, recycling and other environmental activities. The school believes in the saying "ADOPT-A- TREE AND MAKE MOTHER EARTH HAPPY", where in all school personnel, and other stakeholders participate in the tree-planting and caring.

Strictly, there is no selling of junk foods and soft drinks in the canteen and there's no use of plastics and straws. The school children are being trained on how to keep their own trash and not to litter in relation to its WAR ON WASTE CAMPAIGN. "SEGREGATION IS THE SOLUTION". The ECO-Club advisers and officers spearhead the conduct of Eco- exhibits where in all materials made of recycled papers, straws and plastics like eco-dresses, bags, hats, vases, flowers, decorative lays, lanterns and mats were being sold to raise fund in support to the environmental projects of the school.

"YESTERDAY'S RECOGNITION, TODAY'S INSPIRATION". Through the years, Dubinan Elementary School has a track record of its rewards and awards because of the programs it implements.

The improved school facilities and rain water harvesters are the manifestations of a strong partnership between the Local Government Unit, other stakeholders and the school. There is a culture of "Bayanihan' (helping one another) where in all public and private sectors work hand in hand towards a common goal, and that is to provide a healthy and child-friendly learning environment. Policies were being communicated to all stakeholders. Everyone embraces the best practices of the school for sustainability purposes.

"CONSERVE WATER TO MAKE LIFE BETTER". There are rain water harvesters in every building to conserve water. The harvested rain







water is being used in watering the plants and in cleaning dirty walls and fences. Children use basin in washing their hands to conserve water.

NINE O'CLOCK HABIT, where in all electrical gadgets, machines and facilities in the school are being turned off from 9:00 to 9:30 am everyday to conserve energy. Replacement of bulbs to energy-saving lamps was also conducted.

No smoking policy and ban on entry of smoke-belching vehicles are implemented. Pupils, teachers, and all non-teaching personnel were being oriented on the harmful effects of smoking. There is no use of pesticides and harmful repellants in the school. Canals are being cleaned and there is no burning of papers, leaves and plastics.

The designated Disaster Risk Reduction and Management Coordinators spearhead the conduct of Earthquake, Fire and Tsunami Drills twice a year. Signage, posters and streamers on safety can be seen in the premises.

WE WILL CONTINUE DOING GOOD AND WILL ALWAYS MAKE A DIFFERENCE IN ALL OUR UNDERTAKINGS AND WILL WHOLEHEARTEDLY CONTINUE OUR HUMBLE ACTIVITIES TO HAVE A BETTER AND GREENER ENVIRONMENT AND TO FULLY REGAIN MOTHER EARTH.

ATENEO DE DAVAO UNIVERSITY HIGH SCHOOL, DAVAO CITY (Secondary School)

The Ateneo de Davao University - High School is one among ten (10) Jesuit-run schools in the Philippines. Its location at the heart of Mindanao, makes its mission for peace and environmental protection, a categorical imperative. Its University mission "To engage in environmental protection, protection of biodiversity and promotion of renewable energy is responded to by the High School through Ecoteneo: the vision of a green and sustainable campus and Ecoteneans living a happy, healthy and ecological lifestyle. Because the environmental mission is seen in the light of faith that does social justice, the Ecoteneo spirit is: "One with the Earth, at peace with humanity, in reconciliation with God"

One with the Earth

One-ness with the Earth begins at the gates of the campus which open to a fishpond, greenery and flowing fountains to create and re-create the beauty of God's creation in the daily life of Ateneans. The hallways are lined with segregation bin stations (no-trashbins-in-the-classrooms policy) so that the students segregate the materials into recyclables, compostables and residuals. These stations are mobile and are placed across the classroom assigned to monitor the segregation for the day. Because of the no-segregation-no collection policy, the assigned monitors have to closely monitor the proper use of the bins, else they do the further segregation themselves at the end of the day.

All segregated materials are deposited at the Materials Recovery Facility (MRF) at the back of the academic building. In the MRF, recyclables are stored for monthly pick-up/sale to the local recycler.





Seventy-five percent (75%) of income from recyclables go to the organization of maintenance/agency workers. The group has used their share for capital for sustainable enterprises such as journal making from used paper among other projects (e.g. tarp-bags). Compostables go to the vermicomposting area which provides rich soil for the seedlings nursery, while residuals are stored for later transport to the city landfill.

The goal of near-zero residuals in the Ecological Solid Waste Management (ESWM) of Ecoteneo was set and in place, and with strategies such as the polystyrene/styro ban in campus, junkfood-and-soda ban in the cafeteria (and in the campus) and the campaign to switch to paper packaging instead of plastic bags, the waste stream of Ateneo was transformed. In 2011, residuals comprised 57% of the waste stream at 29.15 kilograms daily average. In 2012, residuals comprised only 23% at 13.47 kilograms. And in 2013, the average daily weight of wastes dropped to 5.0 kg at 22%.

With the construction of the shredder-and-pulverizer at the end of the present school year, the target of "zero-residuals" is at hand. Shredded residuals will be used in the sustainable enterprise/processing of cement brickettes.

The "Paper-less" campaign is also observed through the use of paper trays in classrooms and offices to centralize the collection of one-sided/reusable paper and the observance of paper reduction guidelines (newsprint use; font and papersize considerations).

The ESWM in the campus, is complemented by energy conservation measures such as the observance of Earth hour (lights off at lunchtime), curfew and thermostat settings in aircon use, installation of LED (light-emitting diodes) in offices and the newly-constructed 120-KW solar panel (projected to save PhP 200,000 annually in electric bills). Water conservation is observed through a rainwater collection system (for garden/pond maintenance), and the regular maintenance and upkeep of water facilities, including reminders and signages to conserve water.

At peace with humanity

Ateneo has also been involved in the advocacy that led to the declaration of a 222-hectare mountain/forested area in the city as a protected area in 2013. Profiling of wildlife and biodiversity is being programmed in these adopted areas.

Ateneo supports sustainable transport through its Clean Air Initiative (CAI) where, the biking community of Ateneo (the Ecoteneo Knightriders) is active through Sunday biking and participation in

city-wide bike events in support of the Philippine Eagle and the watersheds in Davao. The Ecoteneo knightriders supported the first national Share-a-Road bike day in November 2014 that pushed for the Presidential declaration of the National Bike Day (3rd Sunday of November). Ten (10) high school students are regular bike commuters in addition to ten (10) faculty and staff bikers.

In reconciliation with God

Every year, Ateneo hosts the EnviRUNment. EnviRUNment3 (2014) had for its theme: "I Respect, I Reuse, I Run". The theme carried the campaign for the use of eco-bottles and the support for the anti-bullying campaign of the school. The EnviRUNment is a run involving 1,000-1,500 students and their families who commit to cover the distances out in the city's streets by running zero-waste.

The school also organizes annual faculty retreats is in the beautiful mountainsides in the region and are anchored in the integrity of Creation, for at the heart of Ignatian Spirituality is "finding God in all things". Some seminars organized for faculty in the past years were: organic farm tours, demonstration on urban container gardening, exposure trips to sustainable cities.



SINGAPORE



EAST VIEW PRIMARY SCHOOL (Primary School)

East View Primary School's customised Environmental Science Education (ESE) seeks to nurture students' commitment to adopt environmentally-friendly lifestyles. Based on the belief "Live it, Say it and Do it!" for our environment, the school inculcates these habits in their students - **live** to care for others and the environment; **say** it to promote an eco-friendly lifestyle to others; and **do** it so that others can follow.

East View Primary School adopts a whole school approach to environmental education, led by a dedicated Environment Committee, comprising the school's senior management, as well as teaching and non-teaching staff. The Environment Committee is in turn guided by the school's philosophy of "Sowing seeds of hearts and minds", which places emphasis on environmental education for students.

In living out the school's green conviction, green habits are taught through an interdisciplinary project work called Project L.I.F.E. (**L**earning **I**s **F**un and **E**ngaging). ESE is integrated into core subjects for the whole school such as the Music and Art programmes. East View Primary School's Music and Art programmes support students' learning on the environment and subsequently reach out to audiences within and beyond the school on various environmental issues.

The school also increases students' awareness on environmental issues and instils green habits in their students through sharing sessions on environmental topics during morning assembly and organising environment-related competitions.

The school actively hones the leadership capacity of its students by providing them opportunities to spearhead the weekly recycling efforts, lead in environment activities and reach out to the community. These students, called the Green Ambassadors, can influence their peers by living out, promoting and demonstrating eco-friendly lifestyles. Outstanding Green Ambassadors are recognised through the school's Environmental Science Award to motivate them to continue their efforts even after graduation.

East View Primary School actively seeks and initiates partnerships with government or private sector organisations as part of its environmental education efforts. Together with a corporate partner, the school developed a Rainwater Harvesting Hub. The Hub was designed as an educational tool for students within and beyond their school to investigate water filtration through different mediums, and at the same time reduce the school's water consumption.







Since 2012, the school has also actively initiated programmes and activities for pre-schoolers. These include story-telling and drama sessions to promote various environmental messages. Going beyond Singapore's shore, the school has also partnered schools in New Zealand to exchange best practices in organising environmental initiatives for their students.

East View Primary School's holistic and extensive approach to Environmental Education reflects the commitment and dedication of its management, staff and students towards protecting our environment for everyone to enjoy.

WOODGROVE SECONDARY SCHOOL (Secondary School)

Woodgrove Secondary School's Environmental Education (EE) journey started in 2000. Over the years, EE has been identified as a niche area for the school. A whole-school approach and synergistic collaborations with partners have ensured the sustainability of WGS's EE Curriculum. The wide variety of EE programmes and projects has provided opportunities for the students to improve their environmental literacy and develop their character.



The school has collaborated with various partners that provide the students and staff with valuable resources and opportunities to carry out EE-related programmes and projects. Some of the projects outreach to children and youths and include workshops, camps and competitions that create greater awareness in the participants of various environmental issues.

Staff and students have been invited to share the school's EE journey and programmes at both local and international platforms. For instance, students serve as ambassadors and presenters during networking sessions and workshops conducted the by various environmental agencies.

Since 2006, the school has involved all students in an environment-related community programme. As part of the programme, students







would collect newspapers and recyclables from residents, and clean up the waterways and beaches. The school has also adopted a nature reserve and involved the students in its regular clean-up.

Woodgrove Secondary School's EE Curriculum is made up of both core curriculum and co-curriculum. Environmental topics are weaved into the lessons and class projects of various subjects. The school has also creatively converted various parts of the campus into 'green spots' that form the school's educational learning trail called the 'WGS EE Trail'. These 'green spots' include the Herbs & Spice Garden, Nursery, Greenville Hydroponic Project and Rain Gardens.

The school provides its students with various learning opportunities on the environment such as through the WGS EE Trail, water-testing projects and designing skits and posters to reach out to the community. In addition, the school has also developed a core group of student leaders who are called the Environmental Champions and Green Activists. These students receive regular capacity building opportunities on presentation skills, leadership and project management.

Beyond the classroom, students and staff learn to appreciate nature and the importance of environmental conservation and protection through school assembly sessions and local and overseas learning journeys.

Woodgrove Secondary School was conferred the President's Award for the Environment in 2011, which is the highest environmental accolade in Singapore. This recognition affirms the school's commitment for its environmental efforts and spurs the school to continue reaching out to others.

Woodgrove Secondary School's sustainability of the school's environmental efforts resides in the strong commitment by the school leaders, partners and staff. Great teamwork and the strong belief in Environmental Education is the key to the school's sustained effort.



THAILAND



BANNAMMIN SCHOOL, CHIANGKHAM, PHAYAO PROVINCE (Primary School)

Bannammin School provides educational service from kindergarten level to junior high school level. The school is located in a remote village that is facing a waste problem, especially with plastic scrap. Furthermore, there is a lot of expenses that the school must spend such as for school's equipment, paper, electricity, so on. Moreover, lack of water in dry season is another problem that happens every year and it seriously affects both community and school. These problems are manmade.

Bannammin School realizes the global warming situation. Therefore, the Eco- School for Sustainable Development Project has been set up and operated to protect and solve environmental problems by using Sufficiency Economy Philosophy go along with the community's way of life. Bannammin School makes connection with other organizations to conserve environment in school and community by acting as follows:

- Prescribe policy about environment and declare to teachers, education personnel, students and community.
- Issue environment curriculum integrated with 8 learning substance groups.
- Issue environment activities in a yearly action plan.
- Train teachers and education personnel about environment by attending environment training and study trip.
- Provide learning activities and learning bases about environment in school as follows.
    - **Waste management**
      The Bannammin School campaigns to reduce usage of plastic bags and foam boxes by using containers made from







banana leaves alternately. By making recycled decoration paper, the school also promotes usage of both sides of paper before recycling it. Garbage must be sorted out into recyclable garbage; paper, plastic, metal and so on; to be sold to recycle shops. While, degradable garbage; food left over and vegetables; are to be used as compost and livestock food. And the rest of garbage will be disposed of at the community's waste field.

- **Energy Management**
  The Bannammin Scholl carries out electricity saving activity. A solar power system is used for lighting at the night around the school and may be used in the case of black out. The school make bio-diesel to use with farmer's truck.

- **Water Management**
  The Bannammin School carries out water saving activity. Wastewater will be drained to wastewater treatment plant and reused that water to watering the vegetable garden by using bicycle powered water pump.

- **Environment management**
  The Bannammin School cooperates with external organizations; Chiangkham rotary club, Maelao sub-district administrative organization and community, to do forestation and plant vetiver grass that prevent river bank soil erosion.

- **Organic farming**
  Students do organic farming activities in the school by using compost made from food and vegetable leftover, manure and EM as fertilizer. Wood vinegar is used as pesticide. In animal husbandry, food left over from canteen, banana trees, rice bran, corn and so on are used to feed our animals. Agricultural chemicals have never been used in school's farming activities.

MATTAYOMSUWITSERIANUSORN SCHOOL, SCHOOL, BANGKOK (Secondary School)

The curriculum on environment for sustainable development (ECO-SCHOOL) Seri community source of learning for life has been developed based on the basic education core curriculum from the Ministry of Education (70%), and on the school curriculum (30%) in which it was developed by capturing existing issues or problems including local wisdom in the community at Seri Onnut road Prawet district Bangkok. The implementation of the curriculum involves the following 7 steps: (1) Exploration and learning issues; (2) Search on knowledge; (3) Analysis of the relationship; (4) Learning situation and determining the choice; (5) Management plan; (6) Action; (7) Knowledge Exchange

The subject name is environmental study for counselor for sustainable development (ECO-SCHOOL) Seri community source of learning for life. This is a 3-year project targeted for secondary school grades 10-12th.

The activities under this project provided lessons to the students on pollution caused by household and industries and on how to reduce the pollutants. The learning subjects are among others: (1) Correction of acidic soil for planting; (2) Dishwashing liquid mixed EM, (3) Mosquito repellent incense; (4) Herbs to get rid of termites; (5) Water treatment with aquatic plants; (6) Dredging the canal; (7) Ornamental planting to increase the oxygen in the atmosphere and beauty.







VIET NAM



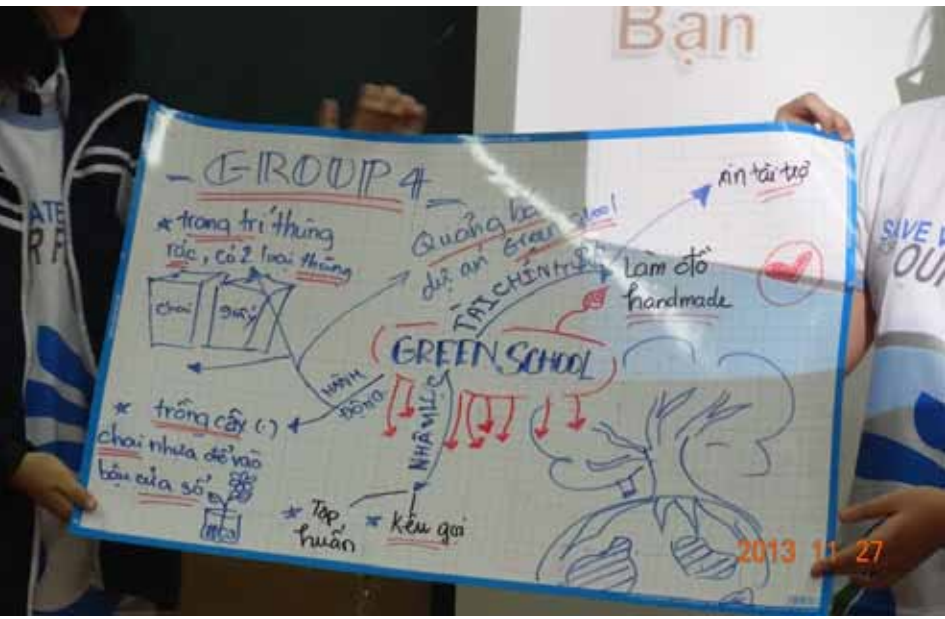
AMSTERDAM HIGH SCHOOL FOR THE GIFTED, HA NOI (Primary School)

The school stands in the airy and spacious landscape with many green trees and a botanic garden, allowing students to get in touch with nature. Fully aware of the importance and responsibility of educational institutions in training future citizens and in order to promote as well as increase the effectiveness of comprehensive education for student, Hanoi – Amsterdam High School for the Gifted has implemented campaign on Environmental Education which comprises:

Campaign of Friendly schools and Active students

The school has gradually completed five components of the campaign: (1) building clean, safe, and attractive schools; (2) organizing effective learning activities, relevant to students' age, making them feel confidents in learning; (3) teaching life skills; (4) organizing enjoyable and healthy community activities for students; (5) students 'participation in studying, caring and promoting the value of historical, cultural and revolutionary heritage.

Environmental protection has been integrated into several subjects in the education agenda regulated by the Ministry of Education and Training, such as Biology, Literature, Civic Education, and Biology.





Green Hanoi-Amsterdam's a House of Greenagers:

The main purpose of this campaign is to create an effective educational environment, suitable for local conditions; especially students have promoted their activeness, creativeness about environment. Regarding students' level of recognition, the school has implemented several methods to motivate students to participate in environment protection.

Activities in education agenda:

Environment issues are grouped into topics (E.g: Energy Saving, Social Welfare, Save Water, etc). Each topic is scheduled for a calculated period of time so that students are well aware of the scope of issues and actions that should be taken by the end of the session.

Students work in teams in these activities, therefore they get both the knowledge and soft skills necessary later in life (E.g: interaction skills, negotiation skill, time management skills)

Extra-curricular activities:

These include (1) various interactive games for students from 12 – 15 years old (grade 6 – 9). The games were designed to introduce environmental issues to students in a fun and easy-to-understand

way; (2) Seminars, conferences and debates on environmental issues for students from 16 – 18 years old (grade 10 – 12); and (3) Encouraging student clubs to use recycled products in the events they host.

In order to develop the **"eco–school"** model, Hanoi – Amsterdam High School has collaborated with several organisations and agency, amomg others: Vietnam Museum of Ethnology, Summit English Language Center, and Live & Learn Organization to host several sightseeing tours for students; EVNHANOI in the "green classroom model" project; Research Center for Educational Technology through participation in its environmental projects; private companies such as Vinamilk, Mobifone, Ivycation. The School also sent representatives to participate at Global Youth Summit (GYS) where 200 environmental youth activists from ASEAN gathered in the event.







FOREIGN LANGUAGE SPECIALIZED SCHOOL (FLSS), HANOI (Secondary School)

Since its establishment in 1969, Foreign Language Specialized School (FLSS) has not only been renowned for students' academic achievements but also for their extra-curricular activities. Now located inside University of Languages and International Studies (ULIS), Vietnam National University (VNU), Hanoi, our school has a rather small area of 4.000 meters square with 40 classrooms and 12 function rooms. Every year, we have about 1.500 students and 120 teachers and staff. Following is an overview on our effort and changes we have made in the past two years.

AEY 2013-2014 marked the initiation of eco-friendly campaigns at FLSS with the operation of *Green School Vietnam project*. The project aims at capacity building for active youngsters in each school, focusing on leadership skills, knowledge of environmental issues and protection effort. The project at FLSS succeeded in recruiting twenty student leaders for the training and ran four micro projects and three programs with the participation of sixty volunteers and hundreds of supporters.

- ***Green News*** reports youth activities and programs on protecting the environment.
- ***Green Swap*** organizes events in which students swap their recyclable waste such as used paper, plastic bottles with small potted plants.
- ***Green Messages*** designs posters sending messages of greening our school, saving energy, water resources and the environment.
- ***Green Facts*** provides useful and fun facts about flowers and plants; also, it aims at creating an online-library with pictures and description of trees and plants in Hanoi.
- ***Green School Ambassador*** is a series of questions requiring participants to find out information about their own school, act upon requests and take the role of a knowledgeable and responsible ambassador of an eco-friendly school.
- ***Eco-friendly classroom*** reminds students to keep their school clean and save energy.
- ***Hanging gardens*** is another innovative idea receiving attention, support from many people, even students from other schools and their parents.

Green School Club (GSC) was established in September 2014 with management board of ten students and thirty official members. Since September 2014, GSC have initiated and led various eco-





friendly programs at our school. On our school 45th anniversary in November 2014, GSC is in charge of planting and taking care of 220 potted plants on school balconies. In December, GSC in cooperation with Water Wise Vietnam organizes a field trip to experience *Vietnam Forest Museum,* where our representative would report on our eco-friendly activities two weeks later. GSC also holds the ***Greenista*** fashion-designing contest from medical waste, which shows their talents and conveys their messages of recycling for the environment.

All projects and programs have received good review from school administration board, teachers, parents and students. Their outreach programs were featured on national TV channels several times.

Our school now has a fresh new look with more plants and trees taken care by our students. We also experience positive changes in people's awareness and engagement with going eco-friendly.

From Ideas to Actions, it takes time, effort and courage to be the pioneers.



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