



**Tun Syed Sheh Shahabudin
Science Secondary School 2014**

We embrace **CHANGE**
to bring **P.E.A.C.E.**
to our school.



Welcome
TUN SYED:
BERSIH, HIJAU DAN CEMERLANG

Our school motto is
“Tun Syed Bersih, Hijau dan Cemerlang”
Meaning “a cleaner, greener and excellent school”

We started our Green School projects since 2010.

This program **sustains** for the past 5 years and its progress is dynamic.

Our Green School Projects achieves success after success with recognition from many international organizations.

We attribute our success to the **P.E.A.C.E. strategies** which is supported by all the stakeholders of the school.

We have won recognition from MPSP every year

We are glad to have won the following awards:

Penang State Excellent Green School Award 2013 (1st)

Seberang Perai District Green School Gold Award 2013 (1st)

Seberang Perai District Green School Gold Award 2013 (3rd)

Seberang Perai District Green School Silver Award 2011

Seberang Perai District Green School Silver Award 2010



We have delegates who come from afar to visit our Green School Projects. They are from (a) World Bank (b) United Environment Program (UNEP) (c) Japan (d) Korea (e) India (f) Thailand (g) Indonesia (h) United States of America



P.E.A.C.E. Strategies

PERSEVERANCE – Our Green School projects have been carried out smoothly and continuously since 2010.

ENFORCEMENT – All 104 Form 2 students are made **Eco Rangers** to work on Green School projects every Wednesday throughout the year

APPPLICATION – We provide practical green skill training for the students every year. The green products are used wisely.

COLLABORATION – We collaborate with various agencies to carry out environmental and community projects

ENCULTURATION – We incorporate values of sustainable environment in our school curriculum, co-curriculum and every day life.

Why do we need to protect our environment?

We all know that our earth is facing challenges like

- (a) Global Warming**
- (b) Depletion of Resources**
- (c) Food & Water Crisis**
- (d) All Kinds of Pollution**
- (e) Extinction of Animal and Plant Species**

So 'Protecting our Earth'

is the responsibility of everyone in our school.



PLANNING & GOVERNANCE

VISION

To create a cleaner and greener environment for the community

MISSION

To promote Sustainable Education through actions and enculturation

AIM

To produce knowledgeable and caring citizens for sustainable living

Objectives:

- To involve all stakeholders in Green School Activities
- To create awareness and embrace eco-friendly practices
- To manage the resources in our school wisely
- To participate in green activities in collaboration with the local and international communities

COMMITTEE MEMBERS

Pengerusi	Tuan Haji Jamaludin b Yaacob	Pengetua Cemerlang
Naib Pengerusi 1	En. Harris Ganae b Nainar	Penolong Kanan
Naib Pengerusi 2	Y. M. Raja Nor Hazima bt Raja Aman	PK HEM
Naib Pengerusi 3	En. Mohd Affendi b Md. Noor	PK Kokurikulum
Penyelaras	En. Tan Khan Aun	Guru Cemerlang
Setiausaha 1	Pn. Saniah bt. Matt Lazim	
Setiausaha 2	En Ahmad Fakhru Zaman b Zawawi	
Bendahari	En Abdul Rahim bin Napiah	Guru Cemerlang
Wakil PIBG	En Muhamad Idris bin Sulaiman	(SU PIBG)
AJK	Cik Nor Nor Afizah bt Mohd Rejab	(GK Sains & Matematik)
	Tn Hj Ghazali bin Ismail	(GK Bahasa)
	Pn. Chan Siew Thoe	(GK Teknik & Vokasional)
	Pn. Haliza bt Abdul Halim	(GK Kemanusiaan)
	Pn. Norazlina bt Zainon	(SU JK 3 K)
	En. Krishna Kumar a/l Krishnan	(Laman Web & Gambar foto)
	Pn Hjh Zabidah bt Ismail	(KPT)
	Pn Rosita bt Yatim	(SU M.P. Kokurikulum)
	En. Faizul b Ahmad	(Juruteknik)
	Pn. Shakirah bt Ramli	(Penyelia Asrama)
	Semua Staf Sokongan	
	Semua Pengerusi Kelab / Persatuan / Unit Beruniform	

ACTION PLAN 2014

MONTH	ACTIVITIES	INVOLVEMENT
JAN & FEB	<ul style="list-style-type: none">-Launching of MPSP Green School-Visit by Japanese-Green Run-Tree Planting	<ul style="list-style-type: none">-MPSP & schools in Seb Perai-UNEP / MPSP-All students-ECO Rangers /PIBG / Delima
MAR & APRIL	<ul style="list-style-type: none">-SEAMEO Search for Young Scientists-Malaysian Young Inventors Olympiad	<ul style="list-style-type: none">-Won Outstanding Performance Award-Won Bronze Medal
MAY & JUN	<ul style="list-style-type: none">-Launching E-Waste	<ul style="list-style-type: none">-Department of Environment

ACTION PLAN 2014

MONTH	ACTIVITIES	INVOLVEMENT
JUL & OGOS	<ul style="list-style-type: none">-RCE International Symposium-Visit by Mr Louis Raynaud-Empty Plates (Zero Food Waste)	<ul style="list-style-type: none">-As advisory Committee & presenting papers-World Bank -All students
SEP & OCT	<ul style="list-style-type: none">-Aqua-Horticulture-Launching 60 Earth Hour-Korean Friendship City-Launching “bring Containers to school”	<ul style="list-style-type: none">-Institute of Fishery Research-All Students -Gwangju / MPSP-All students
NOV & DEC	<ul style="list-style-type: none">-Competitions-Year End Review-Planning for 2015	<ul style="list-style-type: none">-MPSP / Penang State-Department of Environment-All stake-holders

COMMITTEE MEETINGS

Meetings	Main Agenda
(1) 15/02/2014	Forming the Green School Committee & Refining the Plan of 2014
(2) 19/06/2014	Monitoring of projects. Receiving reports from various sub-committees and dealing with problem raised.
(3) 11/08/2014	Mid-term review of the program & further improvements
(4) 18/08/2014	Preparation for Korean Friendship City Program
(5) 05/11/2014	Reflection for 2014 & Planning for 2015

BUDGET 2014

INCOME	RM
-Monetary reward from Competition in 2013 (RM3k from Penang Government + 2 k from MPSP)	5,000
- Sponsor of Eco Rangers T Shirt by MPSP	1605.00
- Sponsored by PTA/ PIBG (Friends of ECO Rangers)	1605.00
-Selling of recyclables	360.00
TOTAL	8570.00

BUDGET 2014

EXPENSES	RM
- T-Shirt for Eco Rangers	2,500
- Setting up of "Friends of Eco Rangers"	1,000
-Animal Feeds	900
-Tools & Equipment	500
-Repair and Maintainence	500
- Renovation for Cat's Cabin	1600
- Renovation for Rabbit Farm	1200
- Miscellaneous expenses	300
TOTAL	8500

Let us share with you our PEACE Strategies
which make our projects **SUSTAINABLE**

P.E.A.C.E.

STRATEGY



(1a) Perseverance



We started our Green School projects since 2010

- From planting vegetables and forest trees to animal husbandry



(1b) Perseverance

Since then we keep multiply our Green School Projects.

- We care for the animals like rabbits and stray cats but not forgetting wildlife like monitor lizard and wild birds
- We help to preserve the biodiversity of the Earth.



(1c) Perseverance



The State Veterinary Department-
help us to take care of our Cat's Cabin
Project by providing

- (a) Medical care,
- (b) Cat food
- (c) Cat Passport, Surgical Sterilization

Students learn how to take care of the
young rabbits from the veterinarians.



(2a) Enforcement



- All 104 Form 2 students are made compulsory to join **ECO Rangers**
- They have to earn their co-curricular credit points by working on Green School Projects
 - Every Wednesday 3.15 – 5.30 pm, all ECO Rangers need to carry out their field work



(2b) Enforcement

Their assignments include:

- working on **22 Green School Projects** by rotation in a year
- Each class has to **launch a school wide environment project** as below:

(a) World Tree Planting Day

(b) Zero E-Waste

(c) Zero Food Waste Challenge

(d) 60 Earth Hour



(2c) Enforcement

- Each team has to keep record in their **observation log books**
- They have to organize a **big scale community project** outside their school.



(2d) Enforcement

- For those who are not in Form 2 but has the passion for the environmental projects, they can join as the “**Friends of Eco Rangers**”
But they need to prove themselves worthy to be given uniforms **after** serving for **at least 3 months voluntarily and consistently.**



(3a) Application

Every year (2010 – 2014) , we equip our students with green skills. We organize workshops on making
(a) Compost (b) EM (c) Recycling (d) Soap from used cooking oil



(3b) Application

Out of food waste, we make them into useful material like

- mud-balls,
- soap and
- compost



(3c) Application

We set up Green Gallery to showcase our green products. We also have a bulletin board that focuses on environmental issues



(3d) Application



We showcase our international accolades in our R & D Gallery



Our students are taught about recycling



We display the projects that had won the international recognition



We express open recognition to the students who serve others

(4a) Collaboration



MPSP- Local Action 21
Solid Waste Management

Collaboration strengthen our linkages with many organization to carry out environmental projects.



State Agriculture Department-
Planting vegetables & fruits



State Forestry Department-
Planting forest trees

(4b) Collaboration



State Veterinary Department-
They help us in animal husbandry & regular check-up for stray cats



UMW TOYOTA- community Projects



Regional Centre of Expertise, USM-
To promote Education for Sustainable Development



Institute of Fishery Research
provides expertise on our Aqua-Horticulture project.

(4c) Collaboration



Parents-Teachers Association (PTA)

Our PIBG has been instrumental in supporting us in kinds and in deeds. We can count on them in times of emergency.

Contract Workers

They are our mentor in nursing the young rabbits. They come to assist us wherever there is a need. They are our **'Friends of ECO Rangers'**



(5a) Enculturation



Human Values

We incorporate environmental values in our every day life. We organised many competitions in 2014

- Cleanest class of the month
- Love the Earth Banner & Poster Competition



Recreation hours is the time we relax. It is our happiest times when we can indulge in Green School activities.

(5c) Enculturation



Every one in our school is expected to have lifestyle that is environment friendly

- Teachers, workers, students and visitors are expected to finish their food.



(5d) Enculturation



We have our own Green School Song. We organise 'Global Education in 5 Minutes' and poem recitation that focus on Environment.



(5e) Enculturation



We keep our classrooms clean & green.



We use recycle items as our learning materials

We have too many activities to share with you but as for now we will only give you a

PROJECT OVERVIEW



(A) GARBAGE SEGREGATION

4R (Rethink, Reduce, Reuse, Recycle)



We set up Recycle Sub-station at 9 strategic locations



The cost of renovation our Recycle Centre was RM4,800.00

We are selling the recyclables to pay for half of it. The other half was sponsored by our Co-op Shop.

4 R (Rethink, Reduce, Reuse, Recycle)



We encourage teachers to use recyclables in their class.



We use recycled materials creatively in building our Visual Art Studio

4R (Analysis of Garbage)

The Profit Of Selling Segregated Garbage Jan - Aug 2014

	CANS (kg)	CARTON BOX (kg)	MIXED WASTE (kg)	MIXED PLASTICS (kg)	TETRA PAK (kg)	METAL	total weight	cost
Jan-14	4	180	507	14	0	2	707	161.43
Mac 14	15	147	157	63	0	9	391	120.9
Aug-14	7	40	130	20	157	0	354	76.75
	26	367	794	97	157	11	1452 kg	RM359.08

RM/kg

2.3/kg

0.24/kg

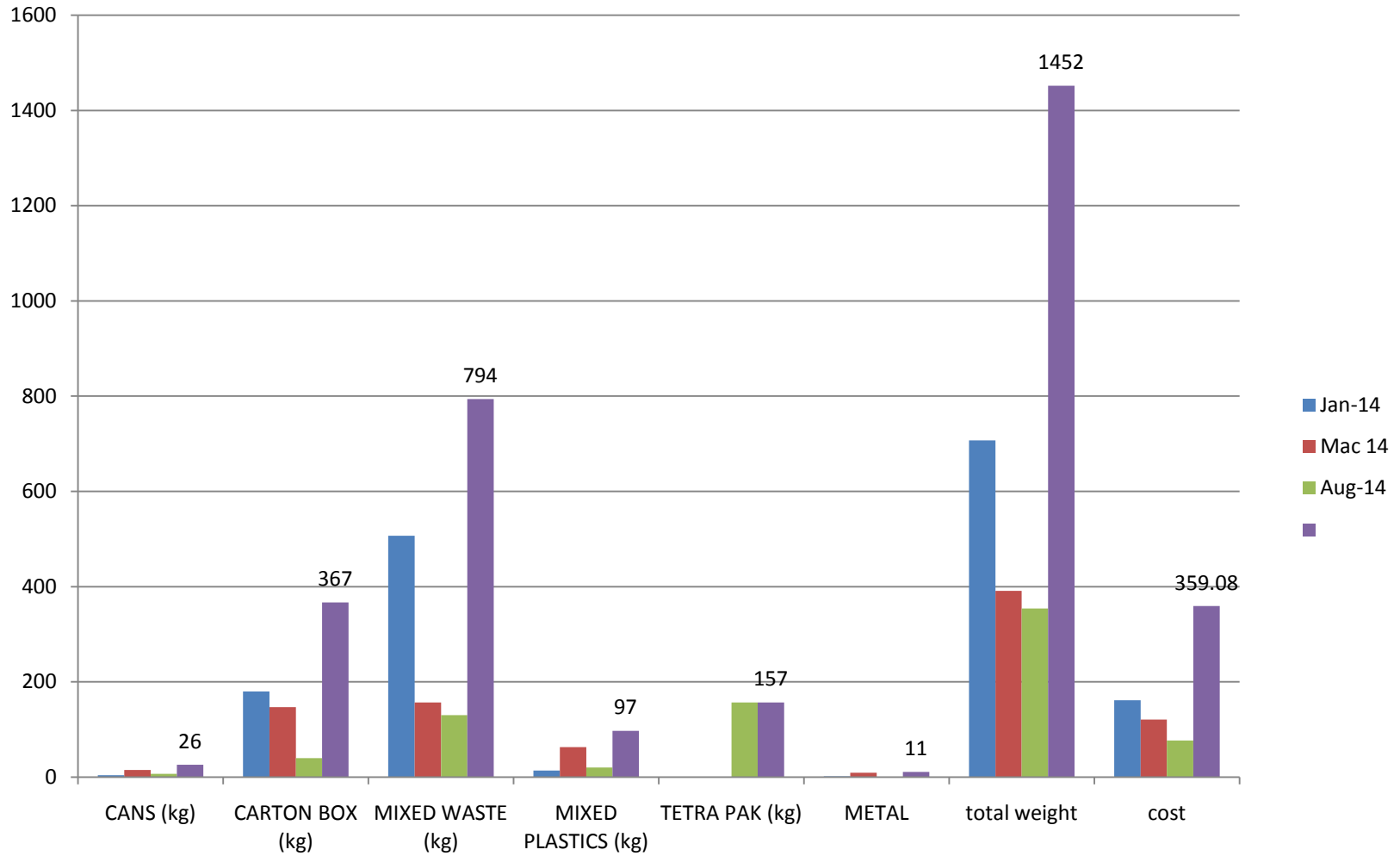
0.15/kg

0.4/kg

0.15/kg

0.50/kg

Garbage Segregation (Analysis of Garbage)



(B) FOOD WASTE MANAGEMENT

Food Garbage

*The world is facing food crisis in many places.
We need to treasure our food.*



Part of our food waste is crushed into liquid form instantly. So far we have produced about 6,000 liters of liquid fertilizers in 2014



Tn. Sr. Hj. Rozali Bin Hj. Mohamud
SU MPSP visit IFWC on 31 Jul 2013

Food Garbage

Food garbage is also collected to make into **(a) Compost** **(b) Effective Micro-organism** **(c) Mud-balls** and **(c) Soap** (from used cooking oil)



Food Garbage



We dug 2 big holes to make compost out of kitchen waste.



Oil Trap & Food Traps in the Canteen to reduce water pollution.

Food Garbage- its products



(a) Compost (b) Effective Micro-organism (c) Mud-balls (d) Biogas (e) Rice Balls and (e) Soap (from used cooking oil)



Food Garbage- its effect



- Soap we made from used cooking oil are of good quality.
- Canteen workers use our EM for cleaning.
- Our compost is use widely for our plants.



Food Garbage (From Trash to Treasure)

2014	Liquid Fertilizer (litres)	Compost (kg)	Effective Micro-organism, (EM) (liters)
Jan & Feb	1300	15	30
Mar & Apr	1200	20	40
May & Jun	1400	30	130
Jul & Aug	2100	30	160
TOTAL	6000	95	360

Food Garbage (From Trash to Treasure)

2014	Soap	Mudballs
TOTAL	100 pieces	200 pieces



(C) CLEANLINESS & GREENING

C (i) Cleanliness



We have 9 recycling sub-stations all over the school (project sponsored by PIBG)



We organize “Cleanest Class of the Month” contest to increase the awareness of students about cleanliness.

C (i) Cleanliness



We ban plastics, straws and polystyrene in the canteen. We minimize the usage of plastics bags .



C (i) Greening



We planted 20 fruit trees with the help of **State Agriculture Department**.

and 22 forest trees with the help of the **State Forestry Department**.



C (i) Greening

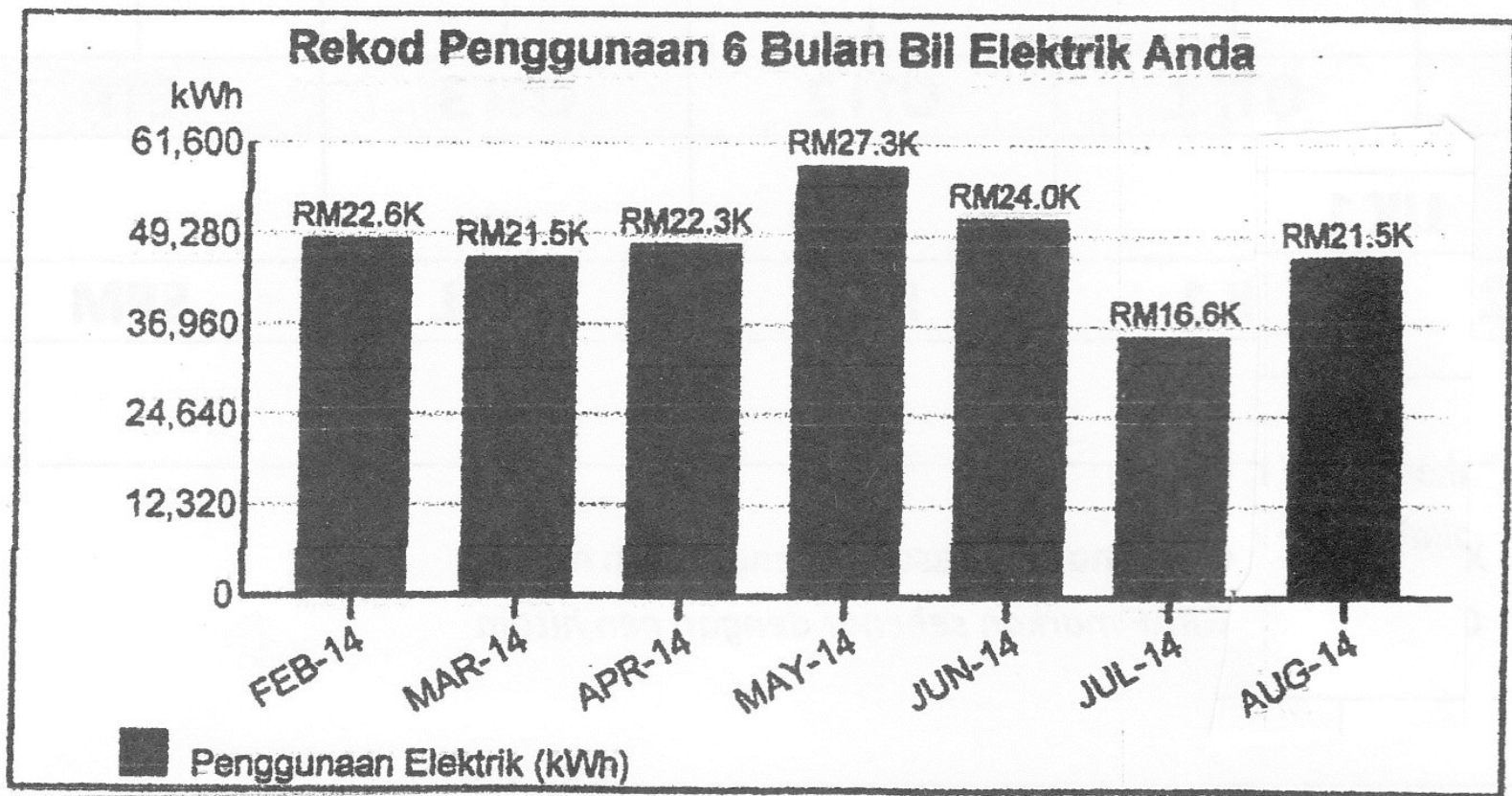


We have 3 durian trees,
3 rambutan trees, some papaya
trees and 60 banana trees.

**We are in the process of setting
up Plant Tissue Culture Project.**

(D) RESOURCE MANAGEMENT

(D) Resource Management



With greater demand for energy, we try to keep our electricity consumption at moderate level.

(D) Resource Management



We put labels near the switches to remind the users so that they will not waste energy.

(D) Resource Management



**Think before you flush
(7 liters each time)**

We collect 160 gallons of rain water per full harvest through our Rain Water Harvesting System

Rain water is used for flushing the toilet, replenish the fish pond and for watering the plants.

(D) Resource Management



Our principal constantly reminds students during assembly to save energy and water

(D) Resource Management



Water from the fish pond is rich in nitrogenous compound, so we use it to water our plants. We also use rain water to replenish our fish pond.

(D) Resource Management



We keep reminding our students to treasure water. We install **'auto turn off tap'** in our canteen to save water.

(D) Resource Management



We put small stickers every where to remind students not to waste water.

(D) PRESERVATION OF NATURE

C (i) Nature - Plants



Our herbal garden, cactus garden and Arboretum have plenty of precious plants .

Nature - Flowers



We have flowering plants everywhere in our school.



Nature - Animals



We have 200 fish, 32 rabbits and 35 stray cats in our school.

We need to

preserve the biodiversity
of the Earth before they go extinction.

(E) INNOVATION & CREATIVITY



Our research on **sustainable development** received numerous international accolades. All awards are displayed in our R&D Gallery

(E) INNOVATIONS & CREATIONS



Gold Award

SMSTSSS at Olympiad Genius Competition in New York, USA on 17 - 21 Jun 2013



Silver Award

Hong Kong International Science Fair 2012 (8-9 Oct 2012)

(E) INNOVATIONS & CREATIONS

THURSDAY, AUGUST 9, 2012

NEW STRAITS TIMES | SCHOOL TIMES: ISSUE THIRTY-SEVEN | 5

No limits

Young Scientists

At the International Environment And Sustainability Project Olympiad (INESPO) held in the Netherlands recently, two Malaysians did our country proud by winning fourth place in the Encouragement Award.

Sixteen-year-olds P. Shadiswaren and Anis Sabihah Aidid are from Sekolah Menengah Sains Syed Sheh Shahabudin, Bukit Mertajam, Pulau Pinang.

The International Environment and Sustainability Project Olympiad (INESPO) is an international competition where school students come together to share ideas on how to save the environment through natural or eco-friendly actions.

It showcases projects that have the ability to save the environment from water, air or soil pollutants.


Our duo's successful project was titled: **Once Ignored, Now Hero: Banana Stalk-Based Activated Carbon (BSAC) as Low-Cost Adsorbent For Basic and Reactive Dye Control.**

"The project started in November



school's canteen sometimes served bananas for dessert. And the banana stalks were stacked behind the dining hall. That's how they decided on banana

the octo-finals national-level debate championships and was in one of the best ten teams in Penang for the robotic team," said Shadiswaren.

 Glossary


Sustainability [suh-stey-nuh-bil-i-tee]
the quality of not being harmful to the environment

Stalks [stawks]
thick or tall stems of a plant

Dye [dahy]
a colouring material or matter

Adsorbent [ad-sawrb-buhnt]
capable of absorbing heat, light, moisture

Flute [float]
a musical wind instrument



TEACHER'S GUIDE

Shadiswaren and Anis saw two problems and decided to come up with an environmentally sound solution. Ask students to look about their school and list the

Our innovation has earned an **Encouragement Award**, (Amsterdam, Netherlands)

International Environment & Sustainability Project Olympiad (INESPO) 2012 - **Banana Stalk Based Activated Carbon (Bsac)** As Low Cost Adsorbent For Basic And Reactive Dyes Removal

(E) INNOVATIONS & CREATIONS

2010 - Banana Fibres
Gold Award
(Beijing, China)



2011 - Pineapple Peel
Bronze Award
(Texas, USA)



**International Environment & Sustainability
Project Olympiad (INESPO)**



(G) FLASHBACK OF 2014

*2014 is a year packed with
Green School Activities.
We carried out many
environmental activities
every month.*

(1) MPSP Green School Launching



MPSP launched its
District level Green School Award Competition
in our school on 20 Jan 2014

We are proud to showcase all our Green School projects to the delegates from various schools.

(2) Environment Experts from Japan



Delegates of the Low Carbon Workshop from Japan visited all our Green School Projects on 22 Jan 2014

(3) Co-curricular Activities



School has agreed that all our Eco Rangers must carry out all 22 Green School projects in one year by rotation as their co-curricular activities.

(4) Green Run



All our students participated actively
in the Green Run on 7 February 2014

(5) TREE PLANTING



Our Tree Planting Day was launched on 8 Feb 2014 (Sat)
60 banana trees were planted as Tissue Culture Project
A joint venture between Delima Sport House, Eco Rangers
with support from PTA

(6) ENVIRONMENTAL PROJECT



Our school won the
“Outstanding Award For Presentation in Congress”
9th Regional Congress Search for SEAMEO Young Scientists
“Mitigating Flash Flood by Using Underground Car Parks”
3-7 Mac 2014

(7) INTERNATIONAL NETWORKING



Delegates from Tagore International School, New Delhi, India visited all our green school projects on 17 April 2014

(8) MATHEMATICAL MODELLING



Our school team won a **Bronze Medal** during the **Malaysian International Young Inventors Olympiad (MIYIO) 2014** “Alleviating Flash Flood – A Mathematical Modelling” on 17-20 April 2014

(9) E-Waste Recycling Project



The Launching of E-Waste Recycling Project
Was jointly organized by the Eco Rangers 2B, School Co-op and
The State Department of Environment on 2 May 2014

(10) Environmental Project



*Our student won the
prestigious
American Chemical
Society Award
Los Angeles, California*

“Carbonized Pineapple Peel (CPP) Waste As Low Cost Adsorbent For Acid and Reactive Dyes Removal”

INTEL International Science and Engineering Fair

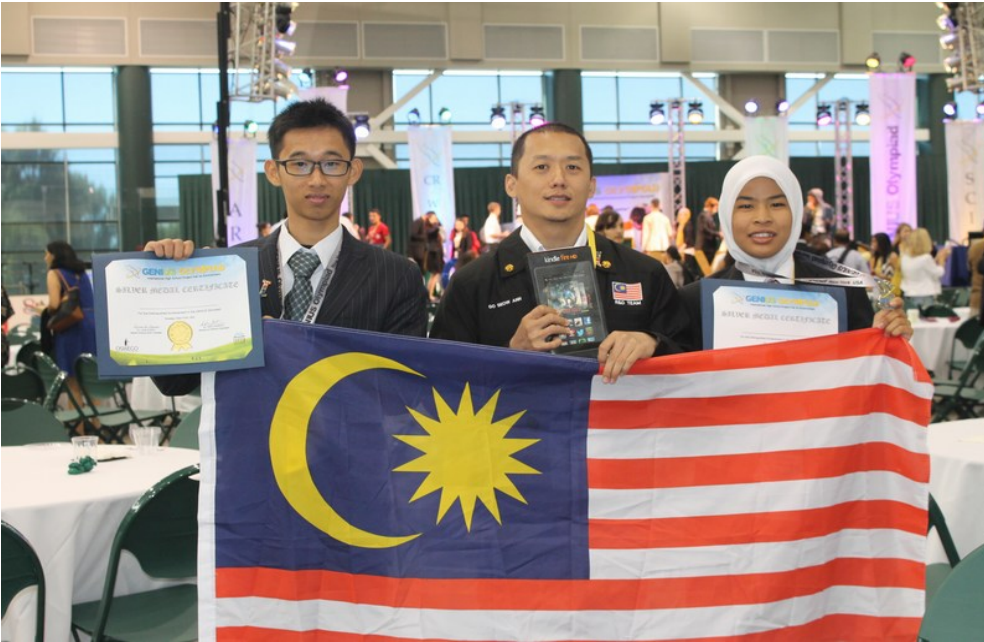
INTEL ISEF 2014 (11 - 16 Mei 2014)

(11) Global Environment Issues

*Our students
won a*

Silver Award

15 - 20 Jun 2014
Oswego, New York



**“A REUSABLE AND EVERLASTING ENDO SURGICAL
GRASPER USING COMPLIANT MECHANISM CONCEPT”**

Global Environmental Issues and US Olympiad

Genius Olympiad 2014

(12) 7th Asia Pacific RCE Symposium



Our Excellent Principal and our Green School Coordinator were invited as the **Advisory Committee Members** of the 7th Asia Pacific RCE International Symposium on Education for Sustainable Development (ESD) (26-28 August 2014)

(13) Friends of the Environment (Rakan Alam Sekitar)



During the Exhibition in conjunction with Coop Day 105 students and teachers registered as 'Rakan Alam Sekitar' in one day. (21-06-2014)

(14) Curriculum on Domestic Waste Management



Our Green School Coordinator is invited as the panel writer on
“Domestic Waste Management” at the Development of
Interdisciplinary Curriculum for SEAMEO Borderless School
(19 – 20 Jun 2014)

(15) Visit from the World Bank Intern



Mr Louis Raynaud (University of California Berkeley) came to collect info on food waste management for **World Bank** to promote best environment practices (6 August 2014)

(16) Stop Food Waste Campaign



The 'Stop Food Waste' Challenge was launched in conjunction with the Jamuan Hari Raya (23 August 2014)

(17) Aqua-Horticulture



In collaboration with the Institute of Fishery Research Centre, we carry out research on Fish Farming and vegetable planting In August 2014.

(18) Friendship City Korea



18 Koreans visited our school.
They joined us in the Green School Activities
(27 August 2014).

(19) Launching 60 Earth Hour



We launched the 60-Earth Hour Campaign with active participation from 18 Korean youths from Gwangju, Korea (27 August 2014)

(20) Tagging



Our Eco Rangers search high and low for the scientific names of plants found in our Herbal Garden. They have lots of fun to learn.

(21) RCE International Symposium



Our Green School Coordinator presented a paper and a workshop during
The 7th Asia Pacific RCE International Symposium
for Education on Sustainable Development
(26-28 August 2014)

(22) Wild Birds Feeding Stations



We care for the wild birds in the jungle. We feed them with the food waste from our hostel kitchen since September 2014.

(23) Observation Log Book



Eco Rangers keep record of their findings in their Observation Log Book. They use 'Thinking-maps' (**i-THINK**) and higher order thinking skills (**KBAT**) to solve the real life problems.



(24) National Day Celebration in School



In conjunction with the National Day Celebration in August 2014, **“Save the Earth”** was the theme of the ‘Banners and the Cleanest Classroom Competition’

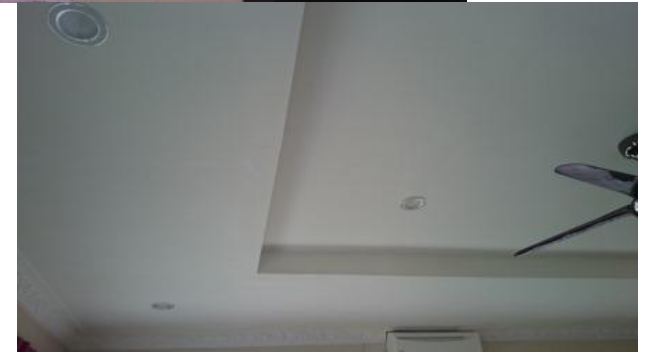
(25) “Bring Your Own Containers to School”



We launched the “**Bring Your Own Containers to School**” to reduced the garbage in the classrooms. Parents are advised to bring food in their own **containers** to reduce littering.

(10 Sept 2014)

(26) Save Energy & Water Challenge



Our school has started in phase to change the lightings into energy saving lights. Switches are carefully labelled for easy monitoring. Water saving taps are installed to prevent wastage. Leakages are checked regularly and repairing work carried out instantly.



(H) THE WAY FORWARD

(I) The Way Forward

- **To expand selected projects** (Projects that focus on 'Education for Sustainable Development')
- **To promote enterprising culture** (encourage profit making projects, like selling recyclables)
- **To take part actively in community service** (cleaning the rivers and clean-up campaign at low cost flats)
- **To carry out eco-environmental research** (research: plant tissue culture, waste water treatment, stingless bee nectar, banana fibre, biogas, aqua-horticulture)
- **Smart-partnership with local agencies** (Town Council, Department of Environment, State Fishery Research Institute, Forestry Department, Veterinary Department, Agriculture Department, Universiti Sains Malaysia, NGOs etc)

Students have gained much knowledge through participating in Green School activities. They acquire higher order thinking skills while solving real life problems.

(I) EDUCATION FOR SUSTAINABLE DEVELOPMENT



Education Philosophies

(1) Learning By Doing (LBD)

**(2) Problem-based Learning
(PBL)**

While carry out the activities, many problems arise.
Problem drives learning.



Education Philosophies



(3) Inquiry based Learning

(4) Contextual Learning

Students keep coming to the teachers for advice.



Education Philosophies

(5) Value-based Education

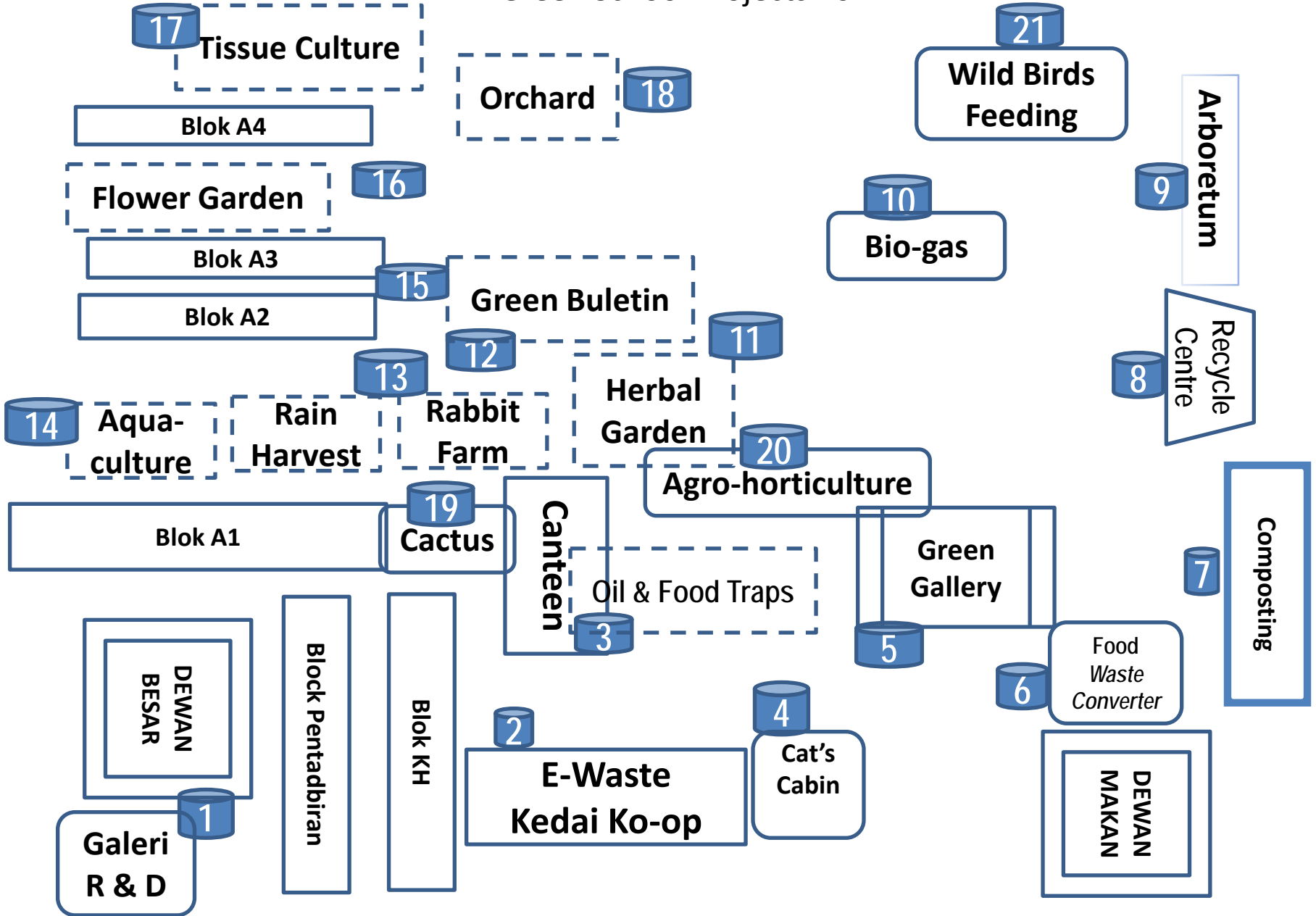
(6) Cooperative Learning

Students learn about human values and the benefits of helping one another in their lives.



*This is a layout plan and
summary of our Green School
Projects in the year 2014*

Green School Projects 2014



GREEN SCHOOL ACTIVITIES 2014

1	MPSP Green School Competiton Launching 20 Jan 2014	8	Creative Workshop on making Wild Birds Feeding Stations (August)
2	Educational Visit From Japan (Kawasaki City, UNEP, GEC) 22 JAN 2014	9	Launching of Stop Food Waste Campaign 23-8-2014 60 Earth Hour 28-8-2015
3	Tree Planting (Tissue Culture) 8 FEB 2014	10	Launching of “60 EARTH HOUR” In conjunction with National Day Countdown (31 Aug 2014)
4	Green School Visit From SMK Guar Perahu 19 MAC 2014	11	RCE International Seminar (Presenting paper, Workshop & Exhibition) 27-29 AUG 2014
5	E-Waste Management Launching 2 MAY 2014	12	Korean Friendship City Program 27-30 AUG 2014
6	Visit By Mr Louis Raynaud – Collecting info on Food Waste Management 6 Aug 2014	13	AGRO-HORTICULTURE LAUNCHING 14 SEPT 2014
7	Poster Competition (August) (1) Earth Hour (2) Stop Food Waste Campaign	14	SEPTEMBER Get Ready For Penang State Green School Award Evaluation

GREEN SCHOOL PROJECTS 2014

1	R & D GALLERY (Showcase of winning projects)	9	ARBORETUM (Preservation of Forest Plants)
2	E-WASTE Collection (In collaboration with DOE)	10	BIO-GAS GENERATOR (Methane Gas/Renewable energy)
3	OIL-TRAP & FOOD TRAP (Canteen)	11	HERBAL GARDEN (Preservation of Herbaceous plants)
4	CAT'S CABIN (Home for the stray cats)	12	RABBIT FARM (Animal Husbandry & (Geographical Landscaping)
5	GREEN GALLERY (Displaying Info & Green Products)	13	RAIN HARVESTING (Conservation of Water)
6	FOOD WASTE CONVERTER (Turn Food Waste into Fertilizer)	14	AQUA-CULTURE (Tilapia Fish Project)
7	COMPOSTING (underground composting)	15	BULLETIN BOARD (Info Centre)
8	RECYCLE CENTRE (Segregation of the Recyclables)	16	FLOWER GARDEN (Butterflies friendly area)

GREEN SCHOOL PROJECTS 2014

17	TISSUE CULTURE (Banana Plants)		In the pipeline :
18	ORCHARD (Fruit Trees)	1	The Smart Home (Joint Project with USM)
19	CACTUS CORNER (Preservation of different species of Cactus)		
20	AGRO-HORTICULTURE (Domestic Aquaculture cum Horticulture research project)		
21	Launching 60-Earth Hour 28-8-2014		
22	INTERNATIONALIZATION INITIATIVE Korean Gwanju Friendship City Program 27-30 AUG 2014		
23	SEPTEMBER Wild Birds Feeding Stations (Caring for the wild birds)		

WEB INFO

More info of our Green School Activities:

- (1) Tun Syed Green School (17-8-12) MOVIE.wmv**
http://www.youtube.com/watch?v=ZGXXpVfB_DA
- (2) Blog – smstsss.jimdo.com**
- (3) www.toyotaecoyouth.com**
- (4) ecoyouthblog.toyota.com.my**

Tun Syed Green School Theme Song "Selamatkan Sebelum Tamat"



Thank You



The happy ECO Rangers going home after a hard day's work !