

ENVIRONMENTAL EDUCATION: MIRIAM COLLEGE MODEL

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SCHOOLS *ARE*
CRADLES OF VALUE FORMATION



MIRIAM COLLEGE
a pioneer in
ENVIRONMENTAL EDUCATION
A Dark Green School by EENP
Eco-friendly School- NCR 2013

WHOLE SCHOOL APPROACH:

TOWARDS DEVELOPING A CULTURE OF ENVIRONMENTAL CARE

EE incorporated in school:

- I. Policy and administration
- II. Curriculum and research
- III. Campus practices
- IV. Outreach and extension
- V. Production and Income
Generating Projects

I. MIRIAM COLLEGE POLICY: INSTITUTIONAL COMMITMENT

- Vision and Mission Statement
“co-creators of God’s kingdom on earth”
- Core values:
 - 4 K’s – *Katotohanan* (Truth)
 - Katarungan* (Justice)
 - Kapayapaan* (Peace)
 - Kalikasan* (Integrity of creation)
- Institutional programs

SCHOOL POLICIES

MakiTIPS (*Tipid, Impok, Punan, Sinop*)

- Institutional Shutdown
- Use of air conditioning from 10:00 a.m.- 3:-00 p.m., if there are at least 3 faculty members
- Classrooms are not air conditioned
- From Fluorescent to LED electric bulbs
- Self-closing faucet
- Green architecture

ENVIRONMENTAL POLICIES:

- Ecological Solid Waste Management
- No styrofoam
- No balloons
- No idling
- No softdrinks
- No smoking

- Environmental Studies Institute (with budget)

- Incorporation of environmental principles in the curriculum

II. CURRICULUM

1. Integration/infusion in existing curriculum

Approach: 7 Environmental Principles integrated in basic curriculum in

- every level – Kindergarten, Grade School, High School, College/university, Graduate School
- every subject area – Science, Social Studies, Mathematics, Physical Education, Art, languages, etc.

7 ENVIRONMENTAL PRINCIPLES

1. Nature knows best.
Ang kailikasan ang mas nakakaalam
2. All forms of life are important.
Lahat ng may buhay ay mahalaga.
3. Everything is connected to everything else.
Ang lahat ay magka-ugnay
4. Everything changes.
Ang lahat ay nagbabago.
5. Everything goes somewhere.
Lahat ay may patutunguhan.
6. Ours is a finite earth.
Ang kalikasan ay may hangganan.
7. Nature is beautiful and we are stewards of God's creation.
Maganda ang kalikasan at tayo tagapangasiwa ng linikha ng Diyos.

INTEGRATION IN SUBJECTS

Topic	Knowledge	Skill
Biology: Respiratory System	Effects of pollutants on the respiratory system	
Music: Rhythm		Use Usok Usok by Noel Cabangon

✓ Field trips to pristine natural sites



CURRICULUM

2. a common subject offering at tertiary level

- A course offering common to all university courses and taken by all tertiary level students (MC 101, MC 201)
- Course taught by Environmental Studies Institute

FOCUS OF EE: TOWARDS AN EE CONTINUUM

- Grade school – environmental persons
- High school – environmental citizens
- Tertiary – environmental professionals

CURRICULUM:

TRAINING ENVIRONMENTAL PROFESSIONALS

3. Formal Tertiary Environmental Programs

- BS Environmental Planning and Management
- MS Environmental Studies
- MA Environmental Education
- MA Environmental Management
- Ph.D. Environmental Education
- Ph.D. Environmental Studies

4. Co- and Extra Curricular Activities

Student Organizations:

Earth Savers Club
Junior Environmentalists Club
Kalikasan Club

Miriam Environmental Planning
Organization



Share a **RIDE** and be on Earth's side!

no impact project

Hop on!

CAR SHARING

Register your car for sharing and contribute to the No Impact Experiment!

JOIN NOW & WIN FRIENDS!

To facilitate the activity, we will set up a car-sharing station at the ESI Conference Room on August 18, 2014, from 9:00 - 6:00 pm. Car owners, register your car at 9:00 AM. Register online, sign-up on poster located in the ESI Conference Room. *Must be used at the college campus on 8/18/2014, August 19, 2014 from 9:00 AM - 6:00 P.M. - Please, do not use on the 8/19.

- 1. Parking spot only for 6-12 vehicles
- 2. Location of use to be in a garage or driveway
- 3. Location of use should be open on both days unless otherwise noted (weekdays, August 20, 21, and 22)
- 4. No change of locked numbers
- 5. All car-sharing rules, and you are responsible for car-sharing only with no employees unless otherwise stated by the date and other students.

If you are interested in this activity, please contact the ESI Conference Room at Environmental Studies Center (ESC) at 2020 to schedule your car. Please bring to the event site and complete your registration by the deadline date to sign-up.

Through Car-sharing, you do not just help save the environment, you might even save \$1000!

Let's have a fun-filled environment week celebration!

TEAM MC for Resiliency & Survival
An event of Miriam College Environment Week 2014




Are you prepared?

SEMINAR WORKSHOP on DISASTER RISK REDUCTION MANAGEMENT by MMDA

August 18, 2014, 3PM-5PM, ESI Conference Room

An event of Miriam College Environment Week 2014
TEAM MC for Resiliency & Survival



BID
for Safety
and
Preparedness

Shopping has never been this **SAFE!**

Silent auction, surprises, sing-alongs, band performance, and tasks open to the MC Community!

August 20 (Wednesday), 1-6 p.m., ESI Conference Room

Let's donate to the MC Catastrophe Fund and have fun!!!

Silent Open Auction: Lots of great items with low starting prices starting at \$10. Includes: handbags, shoes, jewelry, books, toys, and more. Items will be sold to the highest bidder. See you there!!!

"Sing-along" with for only P50-100 per bagel of bread!

Sing along with us!

Don't miss the chance to see

Learn more about disaster preparedness and response at the ESI Conference Room.

Entrance Fee: Php30 with snacks.

See you there!!!

For inquiries, contact Ms. Elzel Santos at (032) 596-3400 loc. 2239

TEAM MC for Resiliency & Survival
An event of Miriam College Environment Week 2014

TARA HANDA KAYA!



TEAM MC for Resiliency & Survival
AUGUST 18 - 23, 2014
MIRIAM COLLEGE ESI Conference Room

TARA HANDA KAYA!
MIRIAM COLLEGE Environment Week 2014

UNIT ACTIVITIES





**LOWER SCHOOL
SCIENCE AND TECHNOLOGY CLASSES**

- Create your own
Emergency Kit
Preparedness Plan
Home Checklist
- Filipino Games & DRRM
- Think Safe Campaign



Middle School

- Lessons on 7 Environmental Principles
- 3-D Coat of Arms (Gr. 6)
- Infograph (Gr. 7)
- Online Carbon Footprint Simulation
- Trashion Show version 2.0:
I Am AmbassaDRESS of Nature
- Think Safe Campaign
- Online simulation game on survival and resiliency





SAID

- Introduction to Climate Change
- Craft making from recyclables
- Gr. 4-7
 - Film Showing
 - Digital Poster Making
- Class Discussion
- Gr. 8
 - Video making (deaf - friendly)
- Think safe campaign



ESI

Aug. 18

3:00 – 5:00

Seminar Workshop on DRRM

Aldo Mayor

Chief Public Safety Division MMDA

Aug. 20

9:00 – 1:00

Seminar Workshop on **DRRM**

Aldo Mayor

Chief Public Safety Division MMDA

1:00 – 6:00

Bid for Safety and Preparedness

CBEA





Aug. 18

CED

3:30 – 5:00 p.m.

Story telling with Day Care Students using Puppets and Videos

MAE

6:00 – 7:30 pm

Talk on **Climate Change**

Rosario Wood Faculty, CAS



Aug. 22

MepOrg / EPM

10:00–12:00 n.n.

Talk on **CCA** for Urban Areas
ECLEI- SEA

1:00 – 3:00 p.m.

Mapping for Resiliency : Workshop on Open Street Map (OSM)

Irene Picache

Senior Science Research Specialist





CAS - Science Department
Little Theater
Aug. 22
 3:00 – 5:00

Talk on **Hazards:**
West Valley Fault
Rolly E. Rimando, Ph.D.
 Philippine Institute of Volcanology and Seismology

Oscar Lizardo
 Chief Information Officer
 Project NOAH



EXHIBIT

MMDA DRRM Tools and Valley Fault

Aug. 18 (Mon) 8:00 – 5:00 p.m	High School HS Courtyard
Aug. 20 (Wed) 8:00 – 5:00 p.m.	Lower / Middle School LS / MS
Aug. 22 (Fri) 8:00 – 5:00 p.m.	SAID 1 st Floor Admin Bldg.
Aug. 23 (Sat)	HEU / MAE Upper lanai
Aug. 20, 22 & 23 Arts	Orgs – Literary and Arts



ENVIRONMENT WEEK 2013



GRAFFITI WALL



BLESSING OF PETS



MASUSTASYANG PAGKAIN. SWAK SA BUDGET



THINK GREEN FOR BUSINESS STUDENTS



CHILD DEVELOPMENT EDUCATION CIRCLE (CDEC)



Run Forest Run



Environmental research

Existing research:

- Thesis
- Dissertation
- Research papers
- Faculty research
- Externally funded research and publication
- Investigatory projects



National Service Training Program

Beyond community immersion
to action that benefits the community and environment



CAPACITY-BUILDING OF TEACHERS: A MULTIPLIER EFFECT

- Development of materials for teachers
- Lessons exemplar and modules
- Environmental library
- Training of new teachers
- Orientation of new teachers
- Annual faculty updates

MIRIAM-P.E.A.C.E. (PUBLIC EDUCATION AND AWARENESS CAMPAIGN FOR THE ENVIRONMENT)



III. GREEN CAMPUS

- The campus must reflect environmental principles.
 - Systematic greening of campus
 - Environmental management
 - Ecological solid waste management
 - Green architecture and design
- Challenge: maintenance of facilities



Ecological Solid
Waste
Management



MRF



Solar street lights installed at ESI grounds

Miriam College's Environmental Studies Institute (ESI) has installed two solar street lights on campus last March 24 to light the school's pathways and to charge cellular phones. The street lights, purchased from Solutions Using Renewable Energy Inc., are made up of a LED lamp, a photovoltaic solar panel, and a rechargeable battery. It will automatically turn on at dusk and turn off at dawn. It charges itself at daytime.



The installation of the street light is in line with the school's strong commitment to climate change mitigation and the ESI campaign for a Pinoy low-carbon lifestyle (<http://www.pinoylowcarbon.com/>). The street lights were also installed in time for the observance of Earth Hour last March 26.

