

# Magic Eyes Chao Phraya Barge Program 내용과 특징

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(이 글은 2002년 5월 20일(월)에서 5월 24일(금)까지 UNEP 후원으로 방콕에서 진행된 매직 아이즈 환경 워크숍 프로그램에서 발췌한 것입니다.)

## 1. Workshop Objectives

- Experience new discovery learning techniques and activities for understanding local environmental issues.
- Gain a greater understanding of the global environmental outlook as developed by the UNEP.
- Develop a deeper understanding of the process of accelerating sustainable development in their respective societies.
- Share and exchange innovative environmental education techniques, activities and projects/programs with other environmental educators from around the Asia-Pacific region.
- Explore, through experiential and discovery learning activities, the ecology, culture and history of Thailand's Chao Phraya River.
- Network with other leading Asia-Pacific regional environmental educators and programs and make new and lasting friends.

## 2. Contents

- History of Ko Kret
- Sustainability Indicator Models, Compass
- Ko Kret Sustainability Indicators List
- Introduction to Water Quality Testing
- Water Quality Glossary of Terms
- Observations, Questions and Hypothesis
- River Condition and Land-use Assessment
- Pathum Thani Market
- The Global Environmental Outlook
- Water Hyacinth Investigation Field Sketches
- Chao Phraya Bird Watching: What to look for
- Activity Reflections (educational indicators)

### 3. Environmental Educators' Workshop Itinerary

Day 1: Experiential and Discovery Learning (Monday, May 20th)

Time	Location	Activity
0700	Cooperative League Guesthouse	Depart to meet Magic Eyes Barge
0800	Riverine Condo, Nonthaburi	Meet Barge/ Board Barge and stow away personal gear
0810	Barge underway to Ko Kret	<b>Barge Introduction, Safety, Facilities, Barge Community</b>
0830	Barge	<b>Introductions: Portrait Interview</b>
0850	Barge	<b>Big Breakfast Snack</b>
0915	Barge	<b>Distribution of "Barge Journals" "Workshop Objectives and Participant Expectations"</b>
0930	Barge anchored at Ko Kret, Wat Salakul Pier	<b>Introduction to Ko Kret Community &amp; History, Intro to Sustainability Indicators, and Pieces, Patterns &amp; Processes (questions, data collections, mapping patterns)</b>
1000	Ko Kret	<b>Ko Kret Community Investigation (3 expert groups) Pieces, Patterns &amp; Processes Investigation</b>
1200	Return to barge Wat Paramai	<b>Groups compile data and work on map</b>
1230	Barge underway to Beer Singh	Lunch (Cooked by Barge Staff)
1330	Barge	<b>Ko Kret Presentations, Discussion &amp; Reflection</b>
1430	Barge	Snack Break
1445	Barge anchored at Beer Singh	<b>Introduction to Water Quality Monitoring</b>
1530	Beer Singh Brewery	<b>Water Quality Testing</b>
1630	Barge underway to Wat Kai Tia	<b>Water Quality Analysis, Discussion &amp; Reflection</b>
1730	Barge	Barge Crews (Cooking, Cleaning, Navigation, Words)
1830	Barge anchored at Wat Kai Tia	Dinner
1930	Barge	<b>Sharing EF Experiences Part1 (4participants)</b>
2100	Barge	Showers, Journaling, Star Gazing
2230	Barge	Lights Out in main cabin

Day 2: Discovery Learning and the UNEP Global Environmental  
Perspective(Tuesday, May 21st)

Time	Location	Activity
06:30	Wat Kai Tia	Wake up
07:00	Barge	Barge Crews (Cooking, Cleaning, Navigation, Words)
07:45	Barge	Breakfast
08:30	Pathum Thani Market Pier	<b>Intro to Pathum Thani Market &amp; Scavenger Hunt Activity: Form 4 Scavenger Hunt Groups</b>
09:00	Pathum Thani Market	<b>Pathum Thani Market Scavenger Hunt</b>
10:00	Barge underway to Piyavan Resort	<b>Debrief Experience/ Energy Trace Activity</b>
11:00	Barge	Journal Reflections
11:30	Barge	Barge Crews (Cooking, Cleaning, Navigation, Words)
12:30	Barge anchored at Piyavan Resort	Lunch
13:30	Piyavan Resort Sala	<b>The Anatomy of a Barge Lesson</b>
14:00	Barge and/or Piyavan Resort	<b>Sharing EE Experiences Part2 (5 participants)</b>
16:00	Piyavan Resort	Snack Break
16:30	Piyavan Resort	<b>The Global Environmental Perspective (Power Point Presentation with time for Discussion &amp; Reflection)</b>
18:00	Barge and Piyavan Resort	Free Time & Showers
19:30	Piyavan Resort Restaurant	Dinner Party <b>Special Guest: Khunying Chodchoy Soponpanich, President of Magic Eyes and Gaiax NA Representatives</b>
21:00	Barge	Showers
22:00	Barge	Lights Out in main cabin

Day 3: Building the Pyramid/ Understanding and Moving Towards Sustainability(Wednesday, May 22nd)

Time	Location	Activity
06:30	Barge	Wake Up
07:00	Piyavan Resort Restaurant	Breakfast
08:00	Piyavan Resort	<b>Goals &amp; Learning Objectives/ Activity Introductions/ Set up Teams/ Prologue: Preparing the Ground</b>
09:45	Piyavan Resort	Coffee Break
10:00	Piyavan Resort	<b>Building Level 1 - Indicators</b>
11:30	Barge	Lunch (Cooked by Barge Staff)
12:30	Piyavan Resort	<b>Building Level 2 - Systems</b>
14:00	Piyavan Resort	Coffee Break
14:20	Piyavan Resort	<b>Building Level 3 - Innovations</b>
15:30	Piyavan Resort	Coffee Break
15:40	Piyavan Resort	<b>Building Level 4 - Strategies</b>
17:00	Piyavan Resort	Free time
17:30	Barge	Dinner (Cooked by Barge Staff)
18:30	Piyavan Resort	<b>Building Level 5 - Capstone Agreement</b>
19:30	Piyavan Resort	<b>Reflection and Evaluation</b>
20:30	Barge	Free time & Showers
22:00	Barge	Lights Out in main cabin

Day 4: Investigation & Discovery of the Ecology of Chao Phraya River/ Sharing  
Environmental Education Experiences (Thursday, May 23rd)

Time	Location	Activity
06:30	Barge	Wake Up
07:00	Barge underway to Menam Noi	Barge Crews (Cooking, Cleaning, Navigation, Words)
08:00	Barge	Breakfast
09:00	Barge	<b>Sharing EE Experiences Part 3 (3 participants)</b>
10:00	Barge	<b>Water Hyacinth Invertigation</b>
11:00	Barge	Barge Crews (Cooking, Cleaning, Navigation, Words)
12:00	Barge anchored at Wat Singh	Lunch
13:00	Barge underway to Wat Bang Pla Moh	<b>Sharing EE Experiences Part 4 (5 participants)</b>
14:20	Barge	Coffee Break
14:30	Barge anchored at Wat Bang Pla Moh	<b>Sharing EE Experiences Part 4 (4 participants)</b>
15:30	Barge underway to Prachakorn School	<b>Intro to Birdwatching</b>
16:00	Barge	Bird Watching on Klong Manorah
17:00	Barge	Barge Crews (Cooking, Cleaning, Navigation, Words)
18:00	Barge	Dinner
19:00	Barge	<b>Sharing EE Experiences Part 5 (4 participants)</b>
21:00	Barge	Briefing about next days activity/ Showers/ Free time
22:00	Barge anchored at Prachakorn School	Lights Out in main cabin

Day 5: Diffusion of Innovation/ Workshop Closing (Friday, May 24th)

Time	Location	Activity
06:30	Prachakorn School, Bang Ban	Wake Up
07:00	Barge	Barge Crews (Cooking, Cleaning, Navigation, Words)
07:45	Barge	Breakfast
08:30	Barge or Prachakorn School	Introduction to Diffusion Innovation Game (Amoeba)
09:00	Barge or Prachakorn School	Diffusion of Innovation Game (Amoeba)
12:00	Barge underway to Ayutthaya	Lunch (Cooked by Barge Staff)
13:00	Barge	River Observation time & Workshop Evaluation
14:00	Barge	Workshop closings & Reflections
15:00	Barge anchored at Chedi Sri Syriothai	packing & Cleanup
15:30	Barge	Disembark from Barge to bus and go to Wat Chai Wattanaram
16:00	Wat Chai Wattanaram, Ayutthaya	Explore the ruins of Wat Chai Wattanaram, Ancient Ayutthaya
17:00	Bus	Depart Ayutthaya for Bangkok
18:45	Bangkok	Arrive Bangkok, Check into Guest House (Cooperative League of Thailand)

#### 4. Characteristics and Implications of Workshop

- Centered to field trip and hands of activities
- Emphasis on discovery learning
- Emphasis on the environmentally sustainable development
- Introducing new strategies for innovative environmental education
- Sharing of environmental experiences of Asia-Pacific region