

## Public Presentation & Forum on International Environmental Education 2005

Japan-U.S. Educational Commission Fulbright Memorial Fund Master Teacher Program 2005  
Miyagi Prefecture Board of Education Proposal Model Project to Activate School  
UNESCO / Japan Asian-Pacific Environmental Educational Research Seminar, 2005

### 1 Theme

# 『Global Inquiry-based Environmental Education to Foster Children's Sense and Intelligence』

~ Through the Development and Practice of Environmental Education Program  
Collaborated with Community, Specialist Organization and Overseas Country ~

### 2 Purpose of this Forum

During last 4 years from 2002, Omore Elementary School participated in the Fulbright Memorial Fund Master Teacher Program (MTP) and engaged in international joint environmental projects, forming a partnership with American Elementary School. Through that project, we carried out Global Inquiry-based Environmental Education Program. And Omore's integrated environmental learning program was recognized and designated as a "Proposal Model Project" school by Miyagi Prefecture Board of Education in 2003. This year is final year of Proposal Model Project for Omore. In carrying out our project, Omore Elementary School formed a linkage with Miyagi University of Education's Environmental Education Center and other specialists in our community. These outside organizations provided us support in our environmental projects from their respective fields of expertise. This year, we have also been forming a vertical linkage with Omore Junior High School and Kesennuma High School, participating in MTP 2005. And we are promoting global environmental education project with Callisburg Elementary School, Middle School and High School in Texas. Thanks to this project, Kesennuma was recognized as a model of "Greater Sendai Area RCE" which is one of the 10 regions of "Regional Center of Expertise (RCE) in the world, which was certified by United Nations University. This research conference is also held under the joint auspice of "UNESCO Asian-Pacific Environmental Educational Research Seminar 2005". In this conference, we are going to present our practices of global environmental education, and seek for the new perspectives of the real learning ability and the zest for living in "The Century of Environment" together, taking advices of specialists and educators who participate in this conference from all over the world.

### 3 Date

November 25 (Fri.), 2005

### 4 Venues

Kesennuma Omore Elementary School

## 5 Sponsorship

**Miyagi Kesenuma Omose Elementary School**

## 6 Joint auspices

Miyagi University of Education, Fulbright Memorial Fund  
Omose Junior High School, Kesenuma High School

## 7 Special Cooperating Institute

United Nations University Institute of Advanced Study

## 8 Supporting institutes

Kesenuma UNESCO Association, Shizugawa Nature Center  
Northern Miyagi Tuna Fisheries co-operative Association, Sendai Science Museum  
Rias Ark Museum of Art, Miyagi Architect Association, Kesenuma Nature School  
Tohoku Electric Power Company, Kesenuma City Office, Kesenuma Little Embassy

## 9 Schedule of the Forum

9:00	Opening ( 1 ) Greeting: Miyagi prefecture Board of Education ( 2 ) Outline of Omose Project: Principal			
9:20	( Break • Movement • Preparation )			
9:30	<Presentation > 45min.			
10:00	Video conference 45m 『JP-US Kid's Global Forum』 Omose Elementary School 1st grade	【Lesson 1】 Omose E.S. 3rd grade	【Workshop1】 Omose E.S. 2nd grade	【Workshop2】 Omose E.S. 5th grade
10:15	Callisburg Elementary School 1st grade	( Break • Movement • Preparation )		
10:30		<Presentation 2> 45min.		
10:45		【Lesson 2】 Omose E.S. 6th grade	【Workshop4】 Omose E.S. 4th grade	【Workshop5】 Kesenuma High School
11:15	( Break • Movement • Preparation )			
11:30	<b>Project Meeting(Grade level)</b>			
12:15	Lunch Time • Recess			
13:15	<b>International Environmental Education Forum</b>			
13:20	Greeting	Miyagi University of Education	President	Dr. Kaoru Yokoshuka
14:20	Keynote(60 min.)	Central Council for Education	Vice president	Dr. Tsutom Kimura
14:25	( Break • Preparation )			
15:45	Panel Discussion(80 min.)			
16:00	Conclusion	Ministry of Education (MEXT)		Mr. Taiji Wake
	Greeting	Kesenuma Board of Education	Superintendent	Mr. Hiroyasu Abe

## 1 0 Program and Contents

【Opening Ceremony】 9 : 0 0 ~ 9 : 2 0

Greeting Shizugawa Office of Miyagi Board of Education Head Mr. Sai Kazushi  
 Presentation Outline of Omose Project Omose Elementary School Principal Mr. Toshiro Kikuchi

【Presentation】 (Lesson & Workshop) 9 : 3 0 ~ 1 0 : 1 5 ( 4 5 min. )

Grade	Subject	Theme & Activity	Style	Teacher & Supporter	Place
2 nd	Integrated Study	Growing Delicious Vegetables The secrets of vegetable & soil	Workshop	N. Koizumi T.Onodera M. Takahashi <u>M. Oka</u>	2 - 1 2 - 2
3 rd	Integrated Study	I've found the secrets of dragonflies ~ Our Story of Dragonflies	Lesson	N. Sugawara K. Chiba K. Miyazaki <u>K. Mizota</u>	Music Room
5 th	Integrated Study	Ocean Environment and Human Life Diversity and Connection of Ocean	Workshop	C. Watanabe K.Ono M. Kato <u>Y. Hirabuki</u> <u>A. Shirahata</u>	Science Room Library
Junior High	Science	Water Quality of Omose River and Purification by microbes	Workshop	S. Miura S. Ohkoshi	Math Room

【JP - US Kid's Global Forum】 (Internet video conference) 1 0 : 0 0 ~ 1 0 : 4 5 ( 4 5 min. )

Theme	Participants	Contents	Teacher	Place
<u>Nature &amp; Festival</u> Thanksgiving Day	Omose E.S. 1st Grade Callisburg E.S. 1st Grade	Foster children's respects for nature through exchanging information of American and Japanese Festivals with Callisburg Elementary School via Internet on-line video conference	J. Ogata A.Sugawara	Gym

【Presentation】 (Lesson & Workshop) 1 0 : 3 0 ~ 1 1 : 1 5 ( 4 5 min. )

Grade	Subject	Theme & Activity	Style	Teacher & Supporter	Place
4 th	Integrated Study	『Omose River grows lives』 Let's search for diversity of Omose River.	Workshop	C.Onodera K.Oikawa Y.Hatakeyama N.Suzuki <u>K.Mikami</u> <u>T.Takatori</u> <u>S.Endo</u>	Art Room
6 th	Integrated Study	『Design Omose in future』 Let's think about Future City that is considered for environment.	Lesson	M. Abe K. Kameya <u>T.Koganezawa</u> <u>S.Oyama</u>	6 - 1 6 - 2
High School	Science Club	The photosynthesis of microscopic algae ~ From dirt to abundance.	Workshop	S. Takahashi Y. Sato	Science Room

【Project Meeting】

11:30 ~ 12:15 (45 min.)

Grade	Project	Summary of Project	Supporters	Place
1st	Nature & Festival	Omose and Callisburg students shared information and compared customs concerning the relationship between nature and customs such as festivals and games.	M. Oka(MUE) A. Sasaki (Little Embassy)	1 - 1
2nd	Vegetable Cultivation	Omose and Callisburg students plant, grow, and harvest vegetables, comparing the varieties and growing methods. They cook vegetable cooking using vegetables they grew.	M. Oka(MUE) Y. Sugawara (School Lunch Center)	2 - 1
3rd	BUGS Mapping	Students collect insects and classify them using the web site. Then they create cyber maps based on observations of aquatic life and shared and compared information via the Internet.	Y. Ugawa(EEC) K. Mizota(EEC)	Music Room
4th	Omose Sanctuary	Through gathering and observing, Omose River aquatic life, students learn the connections between living things and understand the conditions to preserve an abundant river.	K. Mikami(EEC) T. Tkatori (Sendai Science Mus.)	Art Room
5th	Ocean Museum	Through observing shore marine life and visiting a hatchery, students learn the connections between living things and the ecosystem. The children then make a "Ocean Museum"	Y.Hirabuki (Tohoku Gakuin U.) A.Shirahata(T.C)	Library
6th	Waterfront Future City	Students think about how Omose's city, forest, river, and ocean can best coexist and planned a future Kesenuma City. The students made a diorama of their waterfront future city.	T. Koganezawa(MUE) Tohoku Electric C S.Oyama(Energy C)	6 - 1
	Proposal & MTP	Omose promotes collaboration with US schools and makes linkages with middle and high school, community, institutes and University for the purpose of developing a global E.E.	T.Muramatsu(EEC) K.Suzuki(UNU-IAS) Board of Education	Gym

【International Environmental Education Forum】

13:15 ~ 16:00 Gym

( 1 ) Greeting Miyagi University of Education President Dr. Kaoru YOKOSUKA

( 2 ) Keynote ( 60 min. )

“Creating the School which fosters student's learning ability and zest for living.”

Lecturer President of National Institution for Academic Degrees and University Evaluation

Vice president of Central Council for Education in Japan Dr. Tsutomu KIMURA

( 3 ) Panel Discussion ( 80 min. )

“How can we foster children's ability through E.E linking with community, institutions and foreign counterpart”

Coordinator	Miyagi University of Education	Professor	Dr. Kazuyuki MIKAMI
Panelists	Miyagi University of Education	Professor	Dr. Takaaki KOGANEZAWA
	Sendai Science Museum	Curator	Mr. Tomoo TAKATORI
	Kesenuma High School	Principal	Mr. Katsumi SHIRAHATA
	Omose Elementary School	PTA	Ms. Katsumi KANNO
	Omose Elementary School	5th grade Teacher	Ms. Chieko WATANABE
Navigator	Omose Elementary School	Research Chief	Mr. Yukihiro OIKAWA
Special Comment	UNESCO Chair, University of York,	CANADA	Dr. Charles Hopkins

( 4 ) Conclusion Ministry of Education (MEXT) Mr. Taiji WAKE

( 5 ) Greeting Kesenuma Board of Education Superintendent Mr. Hiroyasu ABE