

# Earth Systems Science, Inc. Na Fa Elementary School REEEPP

Rural Environmental Education  
Enhancement Pilot Project

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# Preliminary Project Summary Report: 2005



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Earth Systems Science,  
Inc. is an education non-  
profit organization  
providing community-  
based environmental  
education for families and  
sustainable communities.



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# Earth Systems Science, Inc. Rural Training Center, Thailand is the local affiliate of ESSI implementing REEEPP with Ban Na Fa Elementary School



ESSI developed REEEPP to honor the life and memory of Mr. Tang Suttisan, a father, farmer and former custodian of Ban Na Fa Elementary School who appreciated and valued education.



# Project Goal

To improve rural education in Thailand by integrating environmental training with math, science, English, technology, and geography to create sustainable communities.



# Project Implementation

Use the Earth Systems  
Science Inc. (ESSI)  
community-based  
environmental education  
methods in Ban Na Fa  
Elementary School



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# Why Na Fa Elementary School?

- This is the hometown of Saifon Lee, ESSI Program Director
- Her father, Tang Suttisan was a custodian at this school
- Saifon Lee wanted to give back to the community for her basic education at this school



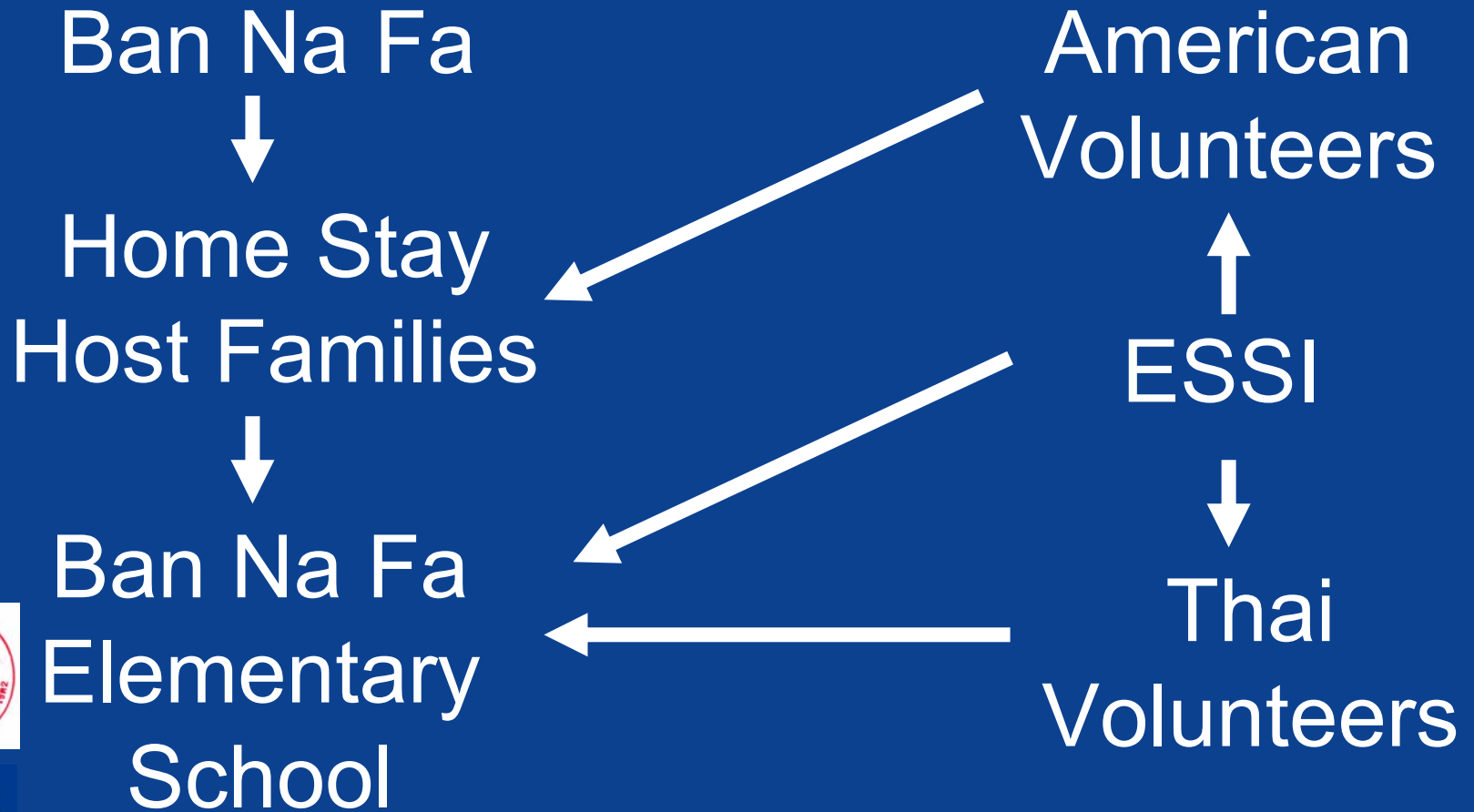


# REEEPP

The Rural Environmental Education Enhancement Pilot Project (REEEPP) was developed by Saifon and Gregory Lee based on their 1999 rural environmental project in Ban Tha Ko.



# The Project Plan



**If this pilot program  
is successful, it can  
be replicated at other  
rural Thai schools.**



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# Ban Na Fa

In summer 2004,  
Jaminan Suttisan, the  
Head Villager, agrees  
to the ESSI project  
plan and facilitates  
host families for the  
summer 2005  
volunteers.



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# In summer 2004, Saifon Lee contacts Na Fa Elementary School



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# Na Fa Elementary School

The entire faculty and  
staff embrace REEEPP  
in summer 2004



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# Summer 2004 ESSI launches REEEPP at Na Fa Elementary School



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**Na Fa Elem teachers get  
computer training provided  
by ESSI.**



# Fall 2004 Na Fa Elementary School builds a Habitat garden



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Students, faculty, and staff  
work together.



# ITV coverage of the ESSI Spring 2005 fund raising at Wat Thai Los Angeles for the Na Fa School Library project



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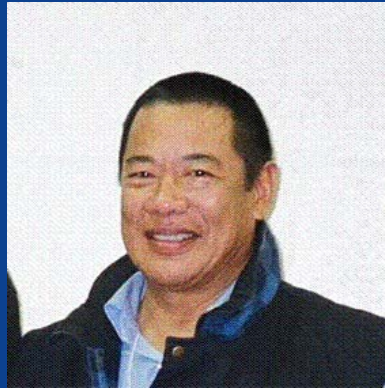
# Spring 2005 ESSI recruits summer 2005 project volunteers



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# ESSI Volunteers



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# The Host Families



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# The ESSI RTC Volunteer Staff



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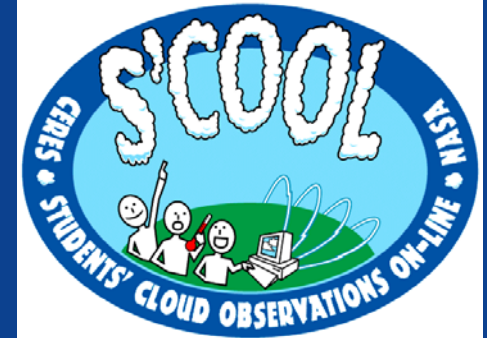
# REEEPP Components



Green  
School



Habitat



NASA  
CERES  
S'COOL



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# Green School

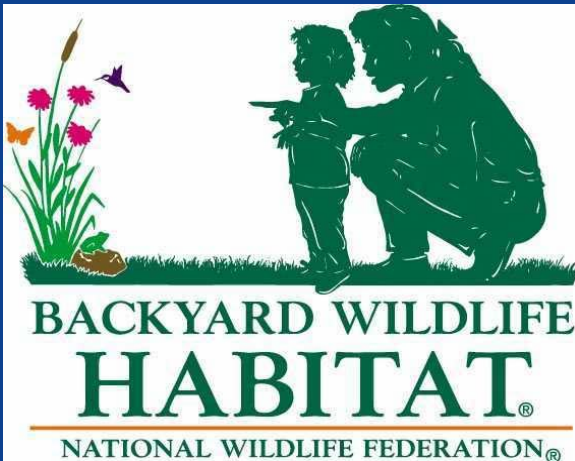
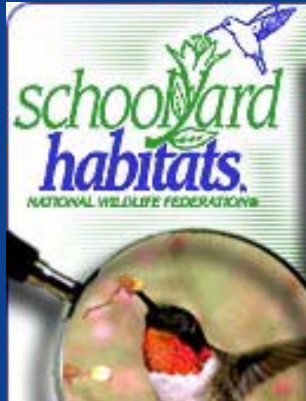
Reduce, Reuse, Recycle  
Tra\$h Bank



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# Habitat

An adaptation of  
National Wildlife  
Federation  
Backyard Habitat™  
and Schoolyard  
programs





# The Na Fa Habitat Garden



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# Donations from NWF



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Books, magazines, staff T-shirts  
and wristbands for students

# NASA CERES S'COOL



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Student Cloud  
Observation On-Line  
An international  
scientific project to  
determine the role of  
clouds in the Earth's  
energy balance and  
global climate change.

# Summer 2005

In addition to REEEPP,  
home stays and the  
Sustainable Practices  
of composting, non-  
toxic pest control were  
implemented.



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# ESSI raised funds and donated books to the library





# ESSI created PowerPoint shows about:

- ✓ Making Palm Sugar
- ✓ Making Paper from Elephant Dung
- ✓ Basic Habitat Vocabulary
- ✓ NASA CERES S'COOL



# ESSI introduced PowerPoint shows for use in the Sound Lab



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# Compost Training

involved students, faculty, and host families



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# Using ESSI methods of outdoor, interactive lessons...



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## ...and Teach Backs



# Non-Toxic Pest Controls for house flies and rats



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# Host Families Teach Back



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# Students Teach Back



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# Students, faculty, and host families reviewing the lessons



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# Home Stays promote cultural exchange



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# Na Fa Students Show Thai Culture to the ESSI Volunteers



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# Na Fa Students show their skills at the closing banquet



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# Students made the decorations for the banquet



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# Students performed dances



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# Faculty and Staff made the food



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# Host families attended



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# Certificates of Appreciation



to Jaminian Suttisan,  
Ban Na Fa Head Villager

# Certificates of Achievement



to Na Fa Elementary School  
Faculty and Staff



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# Certificates of Appreciation



to the ESSI Volunteers

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# Certificates of Appreciation



to Na Fa Elementary School staff

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# Certificates of Appreciation



to Ban Na Fa host families

# Project Accomplishments

- ✓ Green School: Tra\$h Bank implemented
- ✓ Habitat: Garden/pond built
- ✓ NASA CERES S'COOL: registration





# Accomplishments

- ✓ Library improved by book donations
- ✓ Faculty introduced to PowerPoint
- ✓ New compost bins constructed
- ✓ Non-toxic pest controls used at school



# Accomplishments

- ✓ Teachers and students are excited about learning English
- ✓ Volunteers, host families, teachers, and students made new friends
- ✓ True cultural exchange took place



# The Future

ESSI looks forward to the day when students, teachers, and host families will Teach Back the composting and non-toxic pest control lessons to their families, friends, and neighbors.





# Interest from Abroad

ESSI REEEPP is being watched with great interest by some educators in Cambodia and Cameroon. They have expressed interest in adapting REEEPP to their countries.





# The End



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