



WWF

THAILAND



# Eco-Schools

## HANDBOOK

## Eco-Schools

Eco-Schools Programme is an environmental education programme for sustainable environmental management in a school. There are more than 50,000 schools in 67 member countries around the world implementing this programme.

 [www.wwf.or.th/what\\_we\\_do/eco\\_schools](http://www.wwf.or.th/what_we_do/eco_schools)

## World Wild Fund For Nature

World Wild Fund For Nature (WWF) is one of the world's largest and most respected independent conservation organizations, with over 5 million supporters and a global network active in over 100 countries. WWF's missions are to stop the degradation of the Earth's natural environment and to build the future of which humans live in harmony with nature by; conserving the world's biological diversity; ensuring that the use of renewable natural resources is sustainable; and promoting the reduction of pollution and wasteful consumption.

 [www.wwf.or.th](http://www.wwf.or.th)

## Foundation of Environmental Education

Foundation of Environmental Education (FEE) is a non-governmental, non-profit organization promoting sustainable development through environmental education. FEE is mainly active through five environmental education programmes: Blue Flag, Eco-Schools, Young Reporters for Environment, Learning about Forests, and Green Key.

 [www.fee.global](http://www.fee.global)





Eco -  
Schools

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# Eco - Schools

is...?

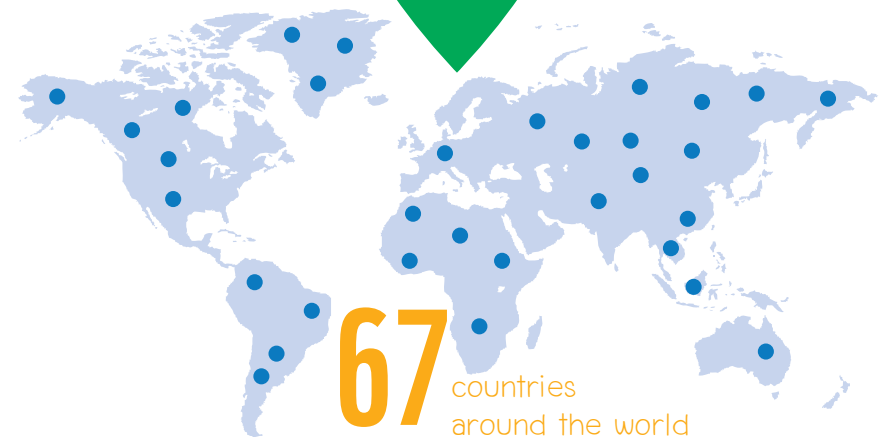
The Eco-Schools programme gives an opportunity for children to understand the importance of nature and environment, to learn about environmental management, and to make a change for the sustainable future.

Eco-Schools programme is an international environmental education programme; offering a well-defined, controllable way for schools to take environmental issue from the curriculum and apply them to the regular activities in school. The Eco-Schools is operated in 67 countries world-wide; sharing the same methodology and concept. The Eco-schools is identified by the Eco-Schools logo and Green Flag.



50,000

schools join our  
Eco-schools's network





Raising awareness and understanding on environment issues through observation and learn how these issues relate to students' everyday life. By doing this, would make the class be more interesting; and show students how environment connected with them.



Outdoor learning helps students learn better through active environmental improvement activities. Not only knowledge, but students can also develop skills including: observation skill, collaboration skill, planning, and critical thinking skill. Moreover, students can apply their school knowledge to use in the activities.



Experience a sense of achievement when students are being able to conduct the environmental management policies of their own schools. Furthermore, Eco-schools encourages students towards certificate and the prestige of being awarded the Green Flag.

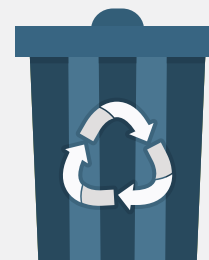
Eco-Schools aims to a long-term result.

We support a new learning method for students and empower them to drive the change for the sustainable future.



30,000 Baht

is total electricity amount per year reduced from the change of energy consumption behavior.



>20%

of waste drops after taking action on waste management.



Join our network with

67 countries

from around the world and share sustainability activities.



## WWF-Thailand and the Eco-Schools Programme

WWF-Thailand has been working with youth on raising awareness in nature and environment conservation through environmental education activities since 2014. In 2016, with FEE (Foundation for Environmental Education) permission, WWF-Thailand had become the only Thailand national operation to operate the Eco-Schools programme. There were 20 pilot schools implementing the programme in the beginning.

Currently, WWF-Thailand is responsible for; mentoring on the Eco-school programme's detail; supporting schools to implementing the programme; and cooperating with the programme's board committee on evaluating the Eco-Schools Award to the participated schools in Thailand. WWF-Thailand aims to provide a stage for youth to perform their environmental management ability, and to develop the essential skills to help create a sustainable society.



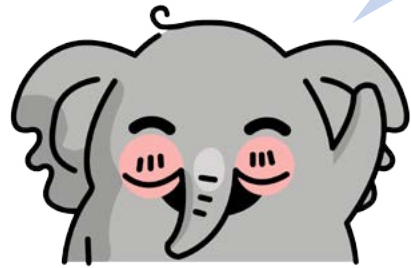




Eco -  
Schools

7 STEPS

This process is intended to be flexible to adapt to any school. Each step should be performed to the best of the schools' ability at the time.



## STEP 1

Eco Committee

## STEP 2

Environmental Review

## STEP 3

Action Plan

## STEP 4

Monitor and Evaluation

## STEP 5

Link to Curriculum

## STEP 6

Inform and Involve

## STEP 7

Eco-Code





## STEP 1

### Eco Committee

The Eco Committee is a representative of the whole school to run the eco activities

- Developing, implementing, and monitoring the school environmental policy
- Ensuring that the interest of all sectors of the school community is represented in the decision making process
- Collaborating with the whole school sectors to ensure a wide communication and ownership of the programme
- Integrating the programme into the school development plan and the local community

The composition of the committee could be made up of:

- Members of the school boards of management
- School's board of directors
- Teachers
- Students
- Non-teaching staff members
- Parents
- Representatives of the local council

The committee might be selected from a group that is already active in the school, such as a Green Club or a Students' Council. Yet, it could be set up from students' nomination or/and appointment.

The committee is recommended to hold a meeting at least twice a year. However, during the initial stage of the programme, the meeting might be more frequent. The meeting minutes should be written and be announced to the whole school. The students should be responsible for the meeting management and the minute notes.



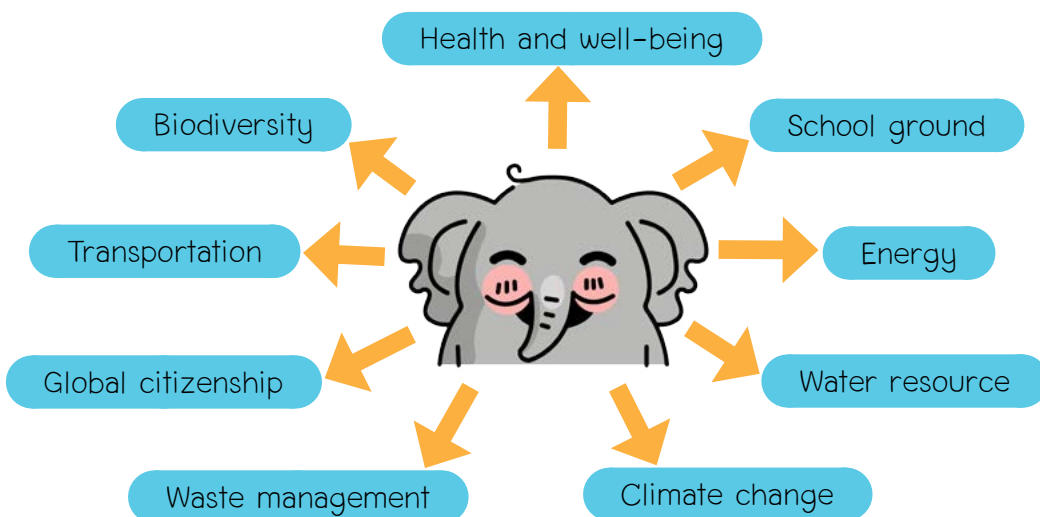
Trimitwithayalai School

## STEP 2

### Environmental Review

Carrying out an environmental review helps the school to identify their current environmental impact and highlights an emergency issue. A result of the review will be used in developing an activities' action plan. The environmental situation can be collected through an interview with related sectors and school observation. The committee can set up a special event to gather other students to help on data collection.

All 9 main themes should be reviewed annually. The school is free to choose other areas of environmental concern that are more relevant to their needs and to devise appropriated checklists accordingly.



## STEP 3

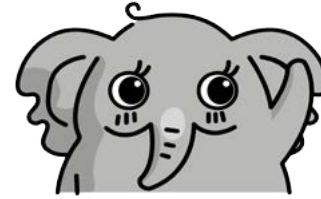
### Action Plan

After completing the environmental review, the environmental issues should be sorted by its emergency and needs. Then, develop into the action plan.

In the action plan, there should be divided as follows:

- problem
- activities detail
- objectives
- targets
- duration
- person in respond
- budget

The action plan should be achievable and be able to fulfill the needs of school community and local community.



Having a clear target will help develop an action plan detail.

## Example

Problems	Activities detail	Objectives	Targets	Duration	Person in respond	Budget
A lot of plastic bottles	'Carry your own cup' <ul style="list-style-type: none"> <li>Promoting 'Bringing your own cup' campaign</li> <li>Get rid of plastic bottles when during the school activities</li> </ul>	Reduce plastic bottles	Total plastic waste (bottle) amount 50% reduction	Jun - Aug	Eco Team	500 THB
No plants databases in the school	'Plants explorers' <ul style="list-style-type: none"> <li>Each student study on the selected plant and create plants databases</li> <li>Botany club members gather information from everyone, summarize and report on school board</li> </ul>	Collect plants data in the school	At least 50 plants in the school's databases	Nov - Jan	Eco Team / Botany club / Science teachers	100 THB

## How to set SMART goals

S

**Specific** means the targets are clear and specific on the purpose of the activities

M

**Measurable** means the targets can be measured by any measuring tools such as number and observation.

A

**Attainable** means the targets are achievable with the limited resource and capacity.

R

**Realistic** means the targets should not be controversial in social context.

T

**Timely** means the targets are limited by the suitable time.

## STEP 4 Monitor and Evaluation

Monitoring and measuring of the operation can help ensure that the targets in the action plan are being properly addressed and achieved. Moreover, the feedback about the effectiveness of the actions allows the Eco Committee to critically evaluate the strategy being adopted and to identify possible alternative ways of processing.

Actively involving students in the monitoring process helps students develop a responsibility and a sense of ownership over the whole project. The monitoring instruments or designs should suit to students' age groups and abilities. The choice of monitoring methodology is also dependent on the type of information that needs to be gathered, for example:

- Certain factual information can be gathered through simple methods such as weighing rubbish bags, reading water and electricity bills, calculating the purchase of paper from receipts, etc.
- Questionnaires and simple interviews are the best methods to gather information about people's impression and attitude.



- Photographs can provide an accurate record of how the project has been developing (before and after run the activity).

The most important aspect of the monitoring exercise is evaluation. After the data is gathered; the Eco Committee needs to review the objective, targets, and the action plan. Then the Eco Committee should consider:

- Are the activities successful?
- Are there any other efficient actions needed to be taken?
- Are there any alternative actions needed to be added to respond the emergent needs?

Eco-Schools is a whole-school programme. Therefore, the results of the monitoring and evaluation exercise are needed to be shared with the whole school community. Feedback and the obvious progression will be a great motivation for everyone efforts.

## STEP 5

### Link to Curriculum

Linking the Eco-Schools activities to the curriculum ensures that the Eco-Schools is truly integrated with the school community. The general strategy suggestion is to combine some activities in the existed subjects. Besides increasing the awareness of the environment, the weaving of an environmental education into a subject enriches the subject concerned and thus makes the subject more relevant and interesting.

#### Languages

- Discussing the various aspects of specific environmental issues
- Minutes and report writing
- Writing letters to: politicians, education authorities, councilors, community leaders, newspaper editors, business persons, etc.

#### Mathematics

- Designing and conducting surveys
- Collecting results and graphs presenting
- Carrying out mathematical calculations
- Managing finances





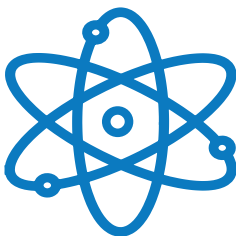
### Religion

- Integrating natural passion with religious beliefs
- Understanding how a person's action may have caused either positive or negative effects on the others and environment



### Social Science

- Reading / producing local and school maps and using symbol to highlight the important sites
- Learning how certain places and lifestyles had been changed over the years



### Natural Science

- Making observation and gathering data about environmental problem
- Exploring various habitats and the adaptations of plants and living creatures
- Analyzing the impact of climate change on environment



### Art & Design

- Producing posters, leaflets, and badges to publicize the activities
- Learning effective communication technique

## STEP 6

### Inform and Involve

Involving the whole community does not just build an eco-network, but also brings a broad range of benefit to all participants. Parents, local businesses, and local councils can give advices or budget supports; which are essential for the programme's success.

### Involve the whole school

- Holding the Eco Committee representatives' election in school
- Publishing programme's information on the notice board. The whole school will be able to keep up with updates regularly about the progress of programme
- Holding school-wide surveys to gather information about the state of school's environment
- Holding a the school's Eco-Code design competition in school
- Organizing Eco Day to celebrate and to promote the eco activities

## Involving the community

- Producing a newsletter to inform parents and members of the community updates about the Eco-Schools process.
- Holding a formal meeting or publishing press release to publicize the Eco-Schools activities and achievements.
- Conducting community-wide surveys to gather information about the environmental issues
- Invite people from the community to attend the Eco Day activity



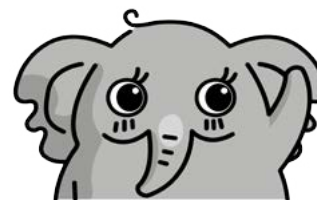
โรงเรียนวัดทองสัมฤทธิ์

## STEP 7 Eco-Code

The Eco-Code is school's mission statement and commitment towards improving environmental management. It is usually proclaimed with a clear imaginative way. The Eco-code should be displayed in the noticeable place in the school.

Students should take main responsibility of designing the Eco-Code. This will ensure that the students would understand the values and responsibility implicated in the Eco-Code.

The Eco-Code needs to be updated annually since new environmental issues emerge every year.



Eco-Code can be poems, songs, symbols or acting poses.

# Eco - Schools

# AWARD



If your school successfully completes all the 7 Steps of the Eco-Schools process, your school may apply for the Eco-Schools Award. There are three levels of the award.

**Bronze**  
Eco-Schools  
Bronze Award

have done  
at least 1 envi-  
ronmental activity

**Silver**  
Eco-Schools  
Silver Award

have done  
at least 2 envi-  
ronmental activ-  
ities

**Green Flag**  
had received  
Bronze or Silver  
award before and  
have done at least  
2 environmental  
activities

\*Global Recognise!!

The Eco-Schools Award remains valid for two years. After two years, you may need to re-apply to renew the award.

The most important of the Eco-Schools programme is consistency and focusing on an effective process than an immediate result.



## Eco-Schools Award



# Bronze Award

### Eco Committee

- The Eco Committee made up of students and school's staff
- The committee holds a meeting at least twice a year

### Environmental Review

- The environmental review is carried out by the committee
- The results of the review are summarized in one page

### Action Plan

- The committee develops an action plan based on the environmental review
- The committee is responsible for running Eco-Schools program in the school
- The action plan is communicated to the whole school

### Monitoring and Evaluation

- The activities are monitored and evaluated continuously
- The progress and result of evaluation is informed to the whole school

### Link to Curriculum

- The environmental issues are integrate with some subjects and some grades

### Inform and Involve

- Everyone in the school is informed and participates in Eco-Schools activities
- The information about the programme is communicated to a whole school

### Eco-Code

- There is Eco-Code for communication in the school



Matthayomwatmai Samutkitwittayakorn School



# Silver Award

## Eco Committee

- The Eco Committee made up of students, school's staff and representatives from parents council or government or independent organizations
- The committee holds a meeting at least 4 times a year and has meeting minutes report

## Environmental Review

- The environmental review is carried out by the committee members and non-committee members in school
- Checklists are being used for recording results and a reviewed summary
- The result of the environmental review is informed to the whole school

## Action Plan

- The committee develops an action plan with the completed detail based on the environmental review
- The committee and non-committee members are responsible for running Eco-Schools program in the school

- The action plan is communicated to the whole school

## Monitoring and Evaluation

- The activities are monitored and evaluated according to the students' plan
- There are comments and suggestions gathered from school's community
- The progress and result of evaluation is informed to the whole school

## Link to Curriculum

- The environmental issues are integrated with every subjects in some grades

## Inform and Involve

- Everyone in the school and parents is informed and participated in Eco-Schools activities
- The information about the programme is communicated to the whole school and presented to the school board's meeting or parents' meeting

## Eco-Code

- There is Eco-Code that is considered by the whole school
- The Eco-Code is reviewed and updated annually



# Green Flag

## Eco Committee

- The Eco Committee made up of; students, school's staff, representatives from parents council and government and independent organizations

- The committee holds a meeting at least 6 times a year and has meeting minutes report

- The meeting minutes report is informed to the whole school

## Environmental Review

- The environmental review is carried out by the committee members, school members and outsiders

- Checklists are being used for recording results and a reviewed summary while having suggestions from non-committee members

- The result of the environmental review is communicated to a whole school

## Action Plan

- The committee develops an action plan with the completed detail based on the environmental review

- The school community and outsiders are responsible for running Eco-

Schools program in school

- The action plan is communicated to the whole school

## Monitoring and Evaluation

- The activities are monitored, evaluated and summarized according to the students' plan

- There are comments and suggestions gathered from school community which are used for improving the plan

- The progress and result of evaluation is informed to the whole school

## Link to Curriculum

- Some Eco-Schools activities and environmental issues are integrated with every subjects and every grades

## Inform and Involve

- Everyone in the school, parents and local organization are informed about the programme

- Everyone in the school, parents and community participate in Eco-Schools activities

- The information about the programme is communicated to the whole school and presented to the school board's meeting, parents' meeting and local authorities' meeting or independent organizations' meeting

## Eco-Code

- The Eco-Code is designed and considered by the whole school and community

- The Eco-Code is reviewed and updated annually







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**67** countries

from around the world  
Join our network and share sustainability activities

**>50,000** schools

Join our Eco-schools's network

**>20%**

of solid waste in the school  
drops after taking serious action  
on waste management

## WWF-Thailand

9 Soi Pradiphat 10, Pradiphat Road, Samsen nai, Phayathai, Bangkok  
10400 Thailand Tel. +66 2 618 4303-05 Fax. +66 2 618 4306

E-mail: [ecoschoolsth@gmail.com](mailto:ecoschoolsth@gmail.com)



### Why we are here

To stop the degradation of the planet's natural environment and to build future in which human live in harmony with nature.

[wwf.or.th](http://wwf.or.th)