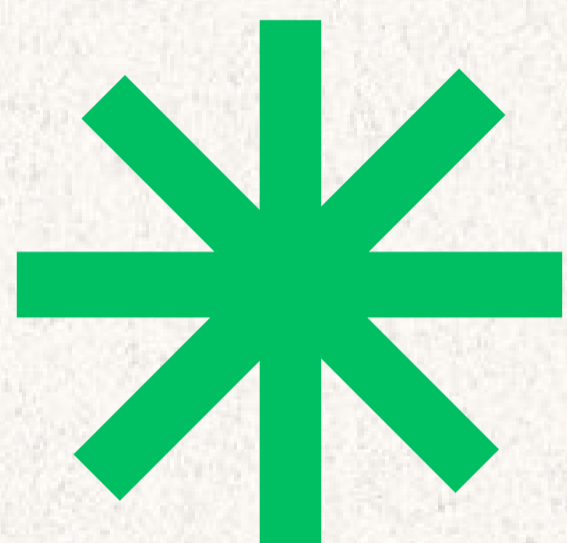
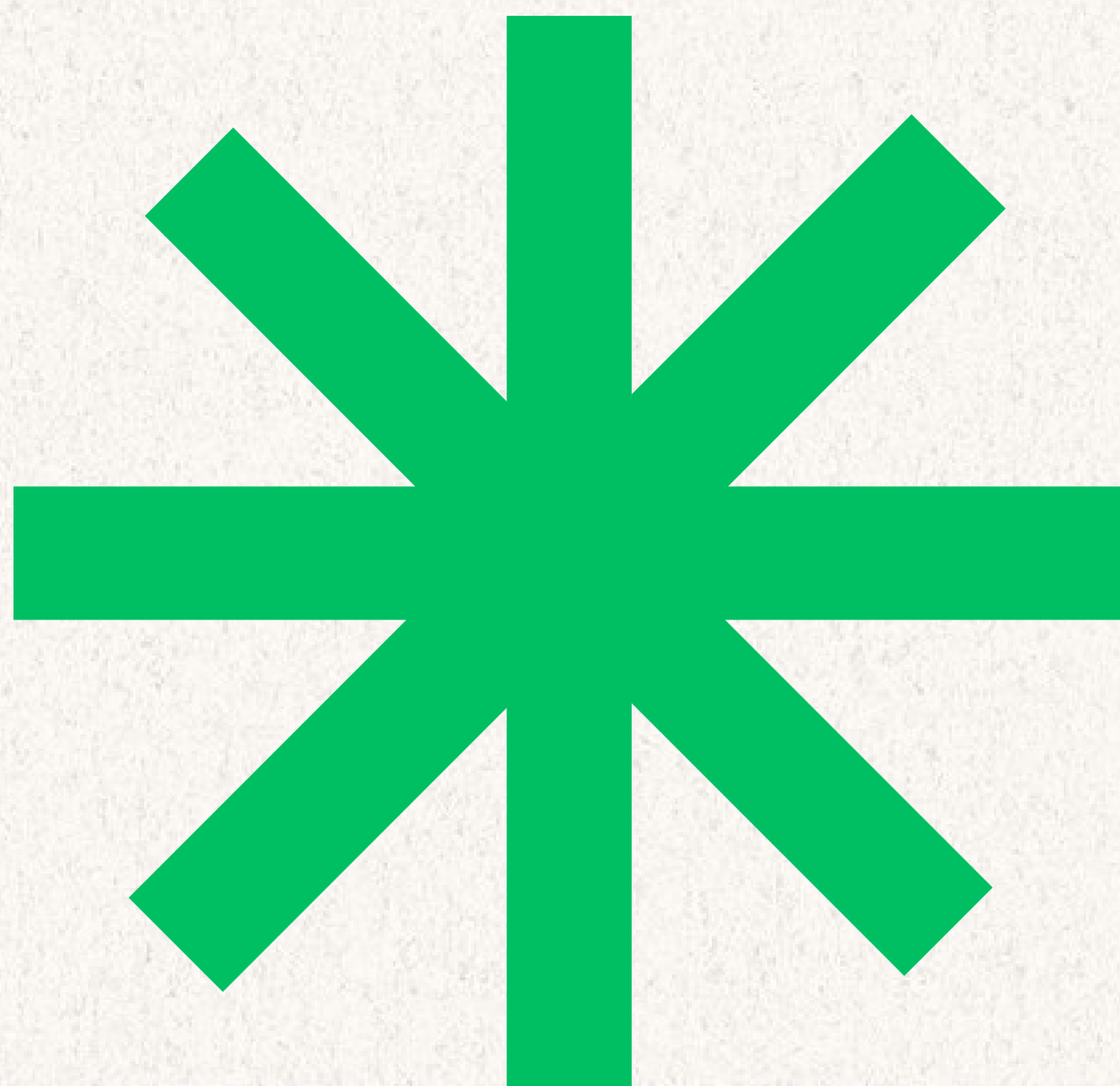
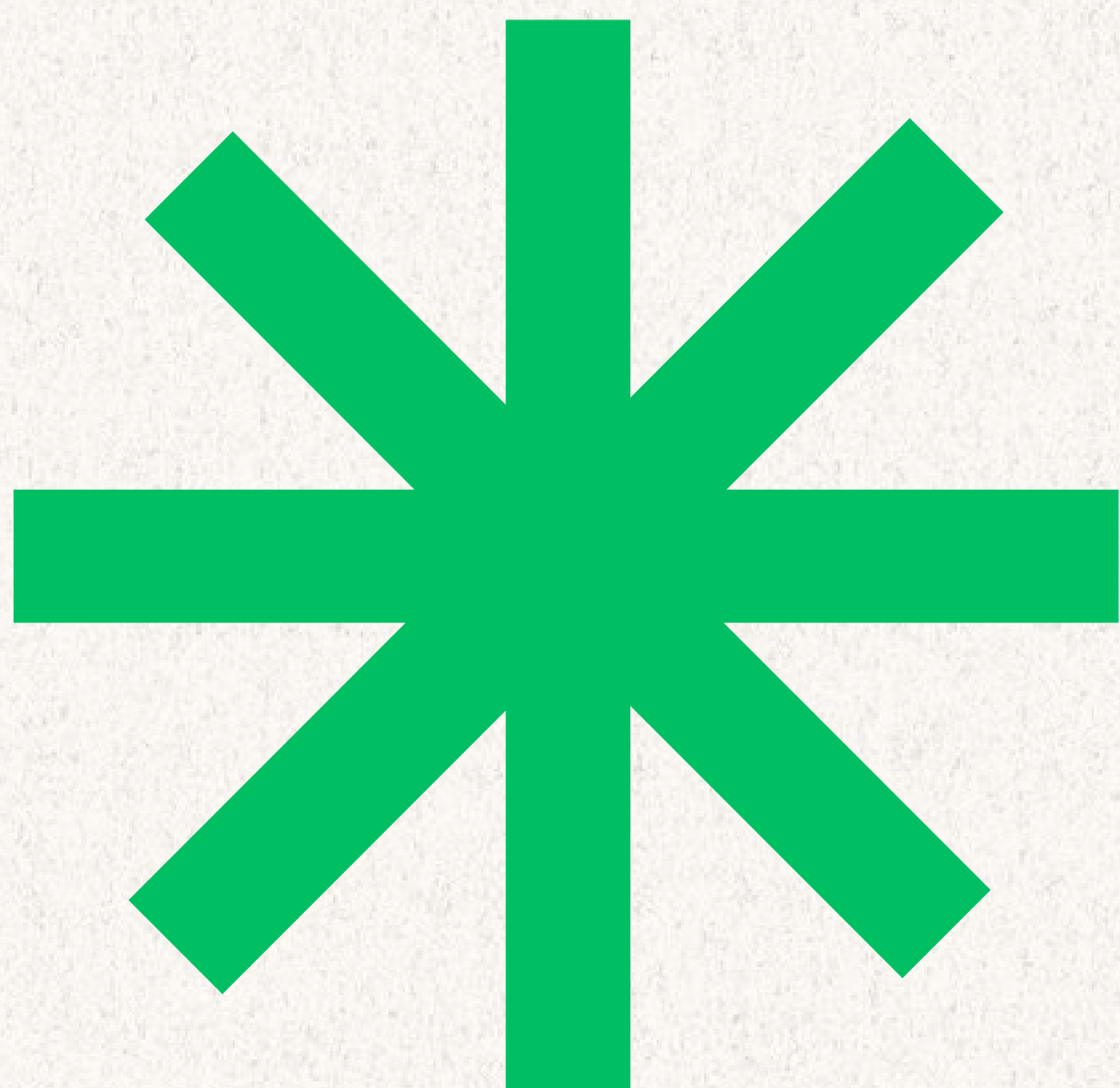


An environmental education  
programme for sustainable  
environmental management  
in a school

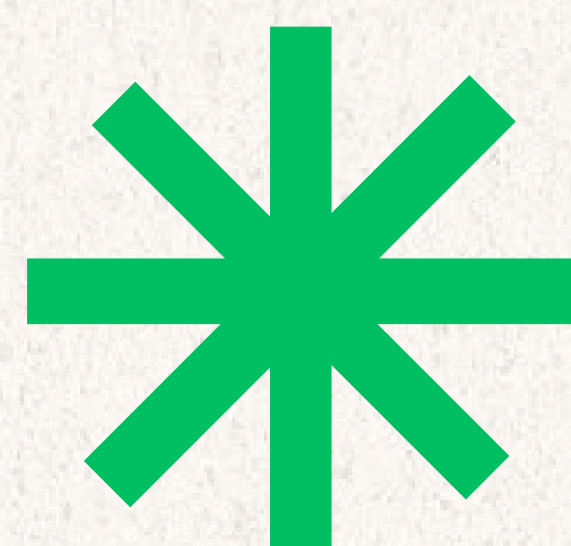


# ECOO SCHOOLS

**HANDBOOK**



More than 59,000 schools in  
73 member countries around  
the world implementing this  
programme





## Eco-Schools Programme

Eco-Schools Programme is an environmental education programme for sustainable environmental management in a school. There are more than 59,000 schools in 73 member countries around the world implementing this programme.

## World Wild Fund For Nature

World Wild Fund For Nature (WWF) is one of the world's largest and most respected independent conservation organisations, 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.

## World Wild Fund For Nature

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

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Eco-Schools  
is...?

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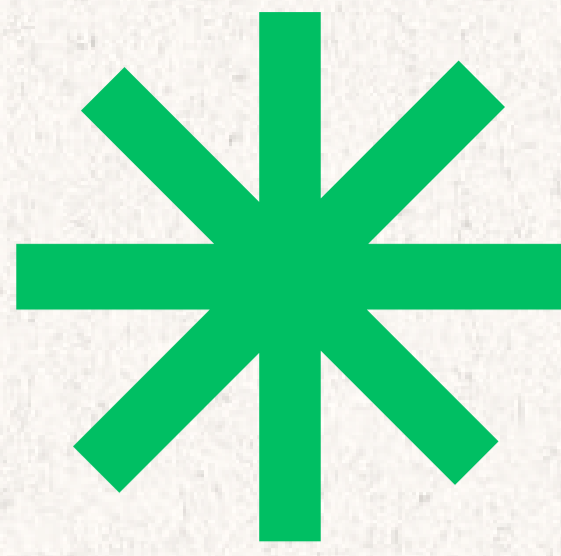
Eco-Schools  
7 steps

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Eco-Schools  
Award



**ECO-SCHOOLS IS...?**



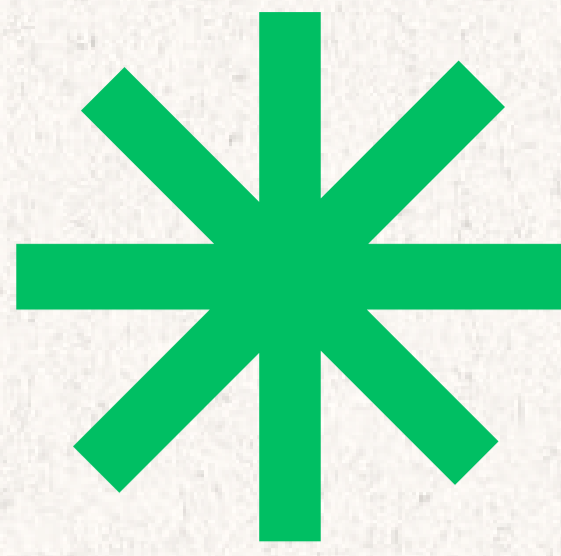
**The Eco-Schools programme** gives an opportunity for children to understand the importance of nature and environment, to learn about environmental management, and to make a change for the sustainable future.

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 73 countries world-wide; sharing the same methodology and concept. The Eco-Schools is identified by the Eco-Schools logo and Green Flag.

**59,000** SCHOOLS  
JOIN IN OUR  
NETWORK



**73** COUNTRIES  
AROUND  
THE  
WORLD



### **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.



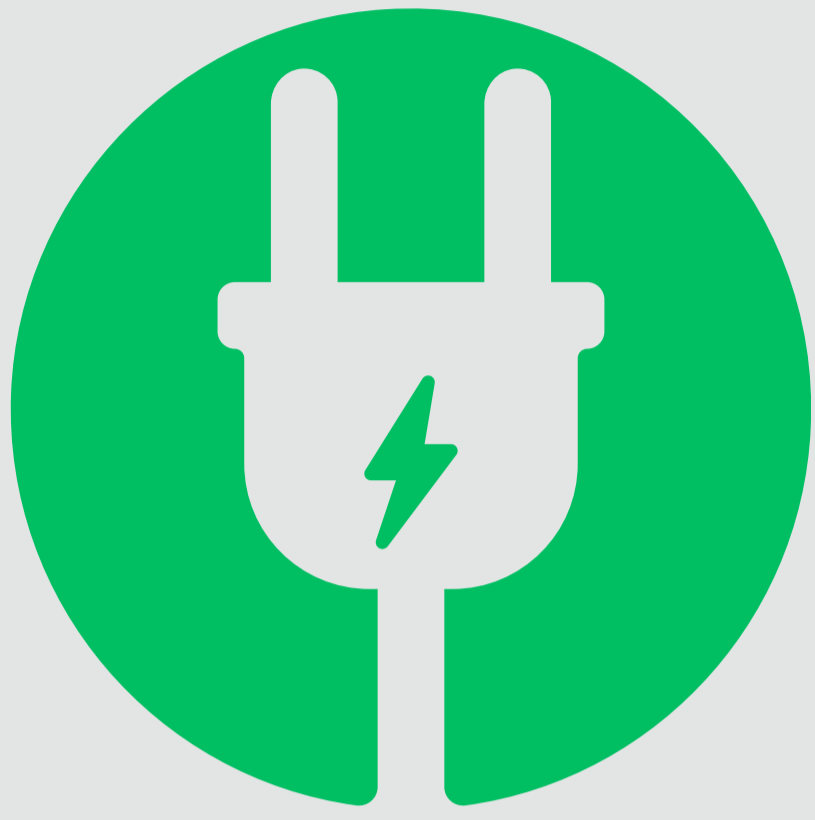
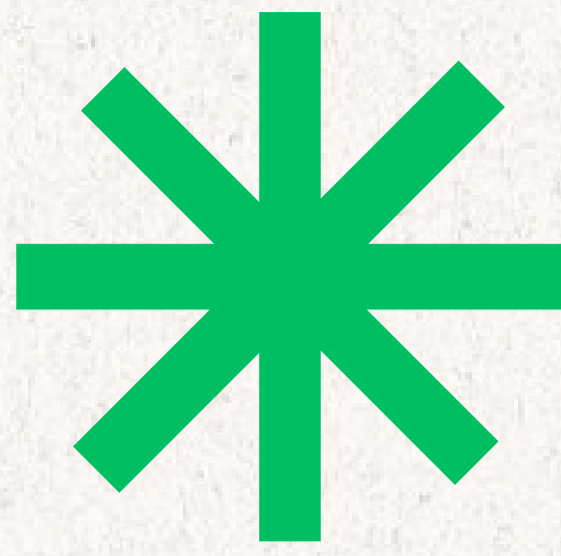
### **Experience a sense of achievement**

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 behaviour.



**>20%**

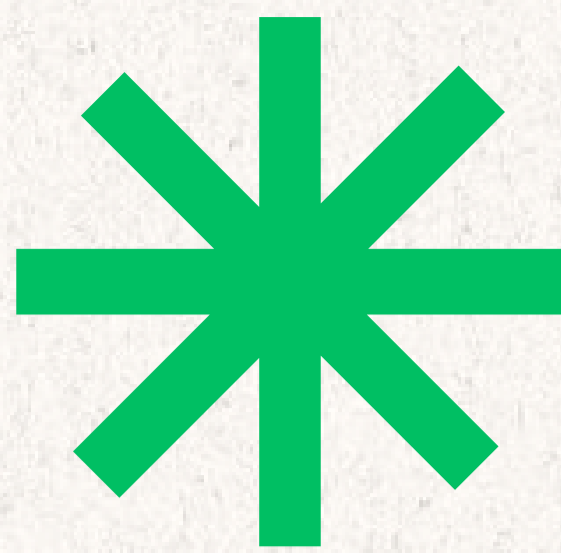
of waste drops after taking action on waste management.



Join our network with

**73** 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 been 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-Schools 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.



# STEPS — 7 — ECO-SCHOOLS



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.



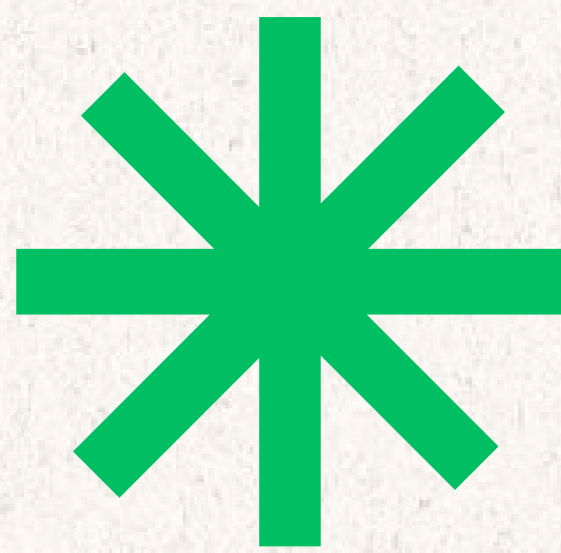
## Eco Committee

**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 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 minutes notes.





## 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.

# 9

## THEMES OF ECO-SCHOOLS

Health and  
Well-being

School  
ground

Energy

Water  
resource

Climate  
change

Waste  
management

Global  
citizenship

Transportation

Biodiversity



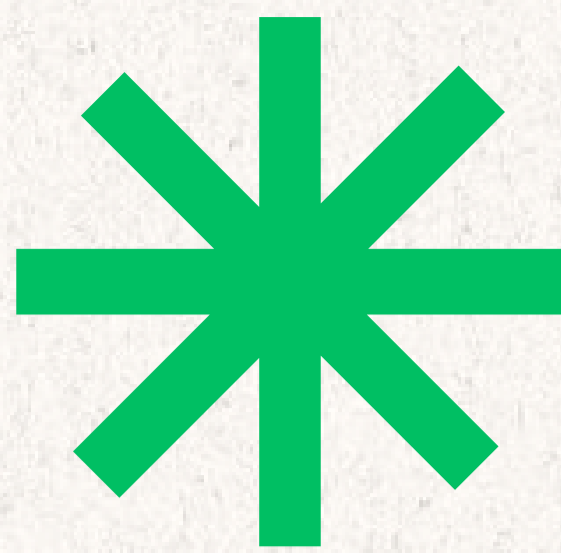
## Action Plan

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 fulfil the needs of school community and local community.



Problem	Activity details	Objectives	Targets	Duration	Person in respond	Budget
A lot of plastic bottles	<p><b>Project: “Carry your own cup”</b></p> <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	June - Aug	Eco Team	500 THB
No plants databases in the school	<p><b>Project: “Plants explorers”</b></p> <ul style="list-style-type: none"> <li>• Each student study on the selected plants and create plant databases</li> <li>• Botany Club members gather information from everyone, summarise and report on school board</li> </ul>	Collect plants data in the school	At least 50 plants in the school’s databases	Nov - Jan	<ul style="list-style-type: none"> <li>• Eco Team</li> <li>• Botany Club</li> <li>• Science teachers</li> </ul>	100 THB

Having a clear target will help develop a detailed Action Plan



**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 be controversial in social context

**T**

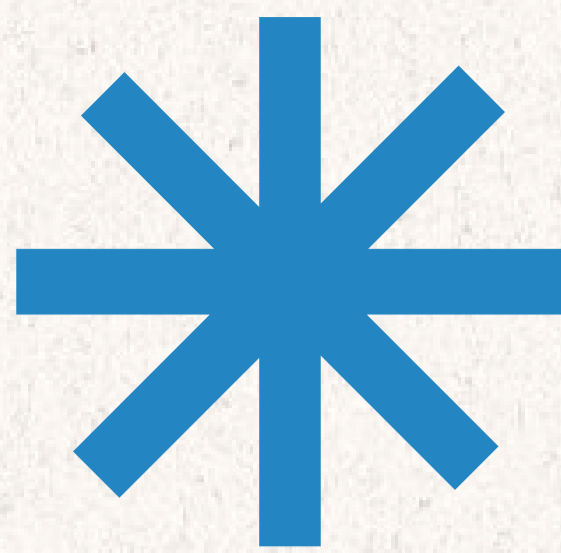
**Timely** means the targets are limited by suitable time



## 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.



## Link to Curriculum

**Linking the Eco-Schools activities to the curriculum** ensures that the Eco-Schools 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.



### **Language**

- 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



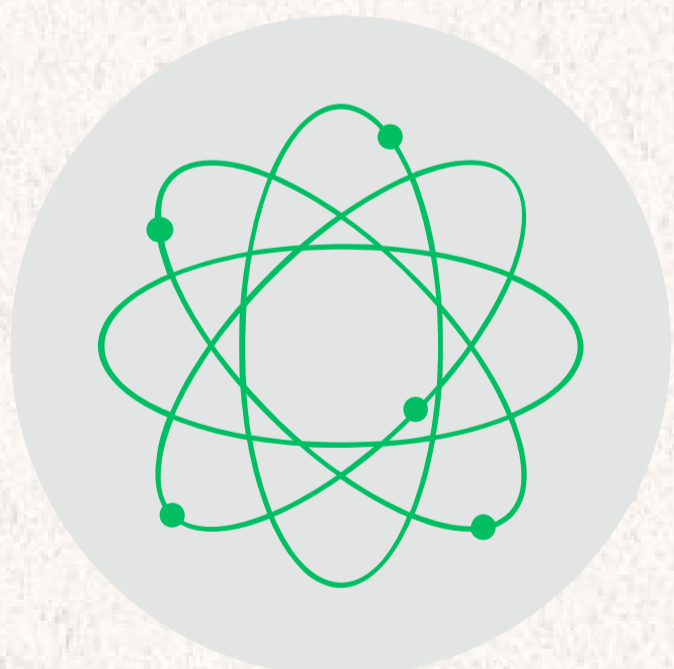
### **Religion**

- 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
- Analysing the impact of climate change on environment



### **Art & Design**

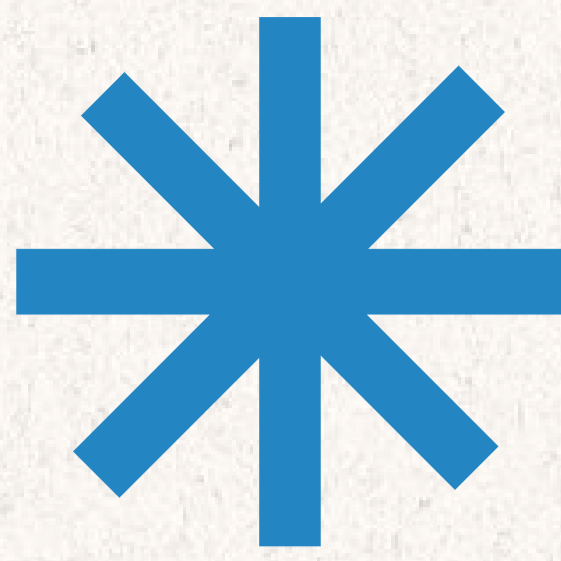
- Producing posters, leaflets, and badges to publicise the activities
- Learning effective communication technique



## Inform and Involve

**Involving the whole community** does not just build an Eco-network, but also brings a board 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.

- 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 the school's Eco-Code design competition in school
- Organising 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 publicise the Eco-Schools activities and achievements.
- Conducting community-wide surveys to gather information about the environmental issues.
- Inviting people from the community to attend the Eco Day activity.





## 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 need to be updated annually since new environmental issues emerge every year.

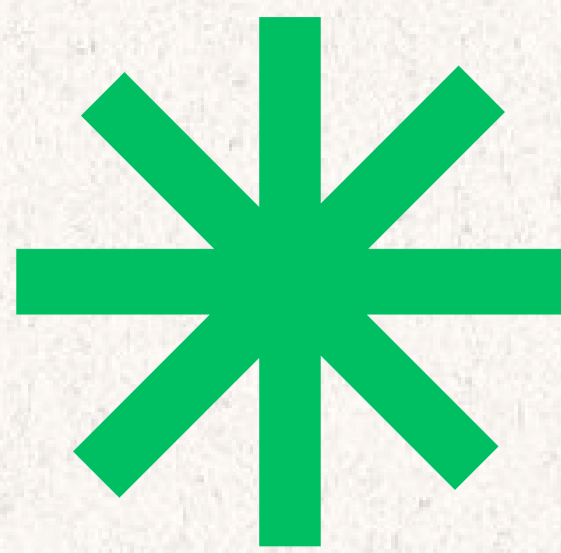
Eco-Code can  
be poems,  
songs, symbols,  
or acting poses



**E**CO-

**S**CHOOLS

**A**WARD



### **Bronze Award**

have done at least 1 environmental activity

### **Silver Award**

have done at least 2 environmental activities

### **Green Flag**

had received Bronze or Silver award before, and have done at least 2 environmental activities

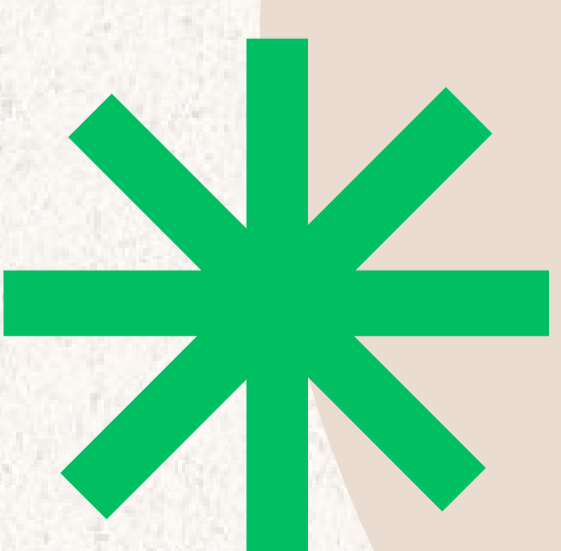
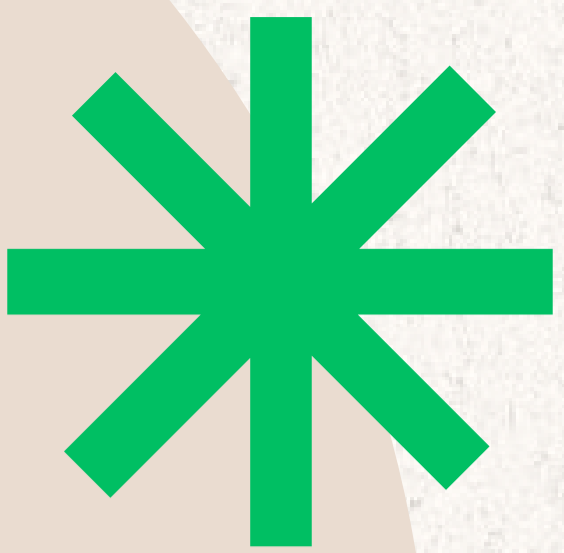
(Global recognize)

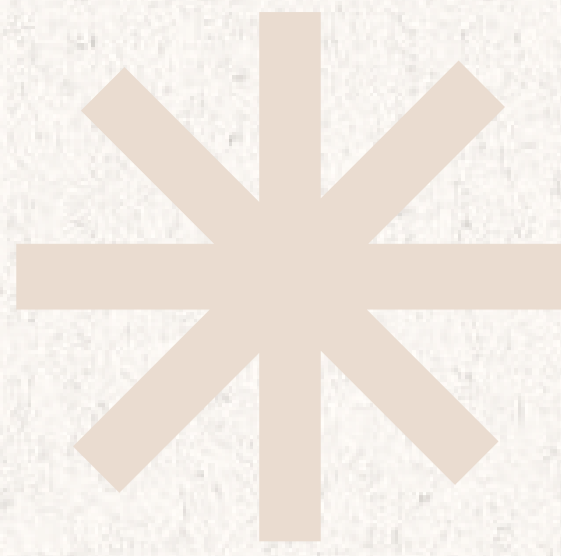
If your school successfully completes all the 7 steps of the Eco-Schools process, your school may apply for the Eco-Schools Award. There are 3 levels of the award.

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.

# 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

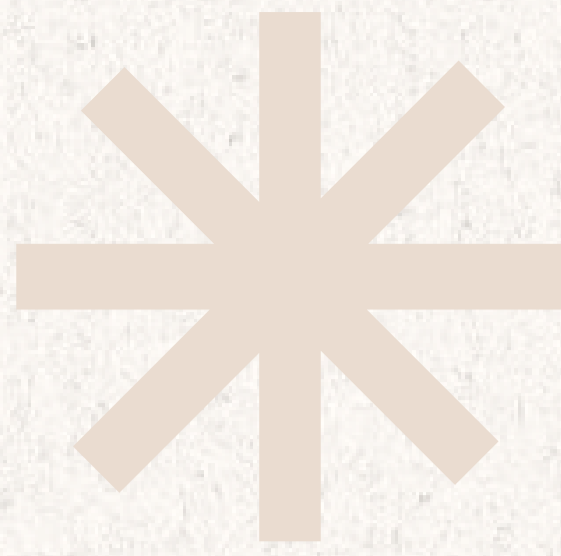
- The environmental review is carried out by the committee
- The results of the review are summarized in one page

## Action Plan

- The committee develops an action plan based on the environmental review
- The committee is responsible for running Eco-Schools programme 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 are informed to the whole school



### Link to Curriculum

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

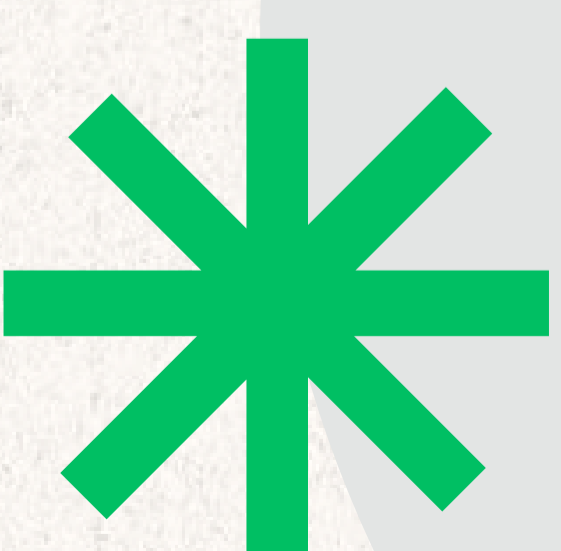
### Inform and Involve

- Everyone in the school is informed and participated 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

# Silver Award





## Eco Committee

- The Eco Committee made up of students, school's staff and representatives from parents' council or government or independent organisations.
- 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 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 programme 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 are informed to the whole school.

## Link to Curriculum

- The environmental issues are integrated with every subject in some grades.

## Inform and Involve

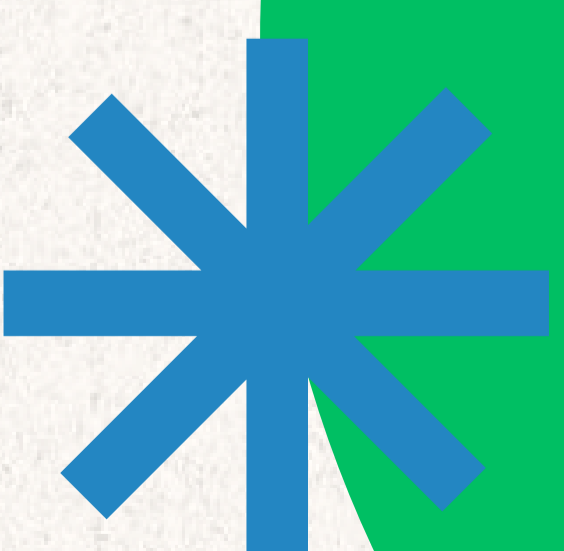
- Everyone in the school and parents is informed and participated in Eco-Schools activities.
- The information about the programme is communicated the whole school and presented to the school board's meeting or parents' meeting.

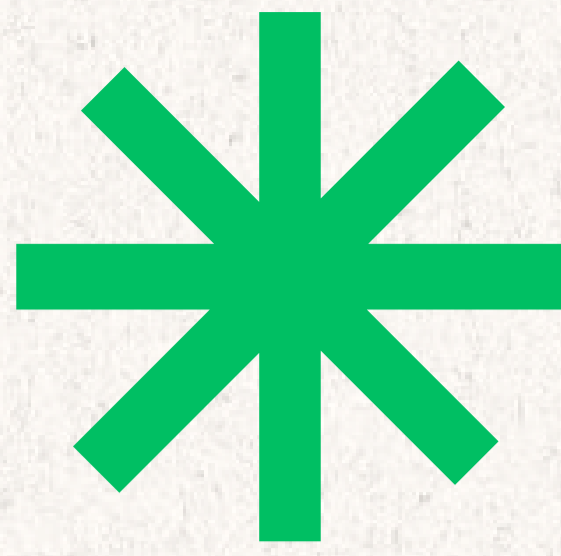
## Eco-Code

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



# Green Flax





## Eco Committee

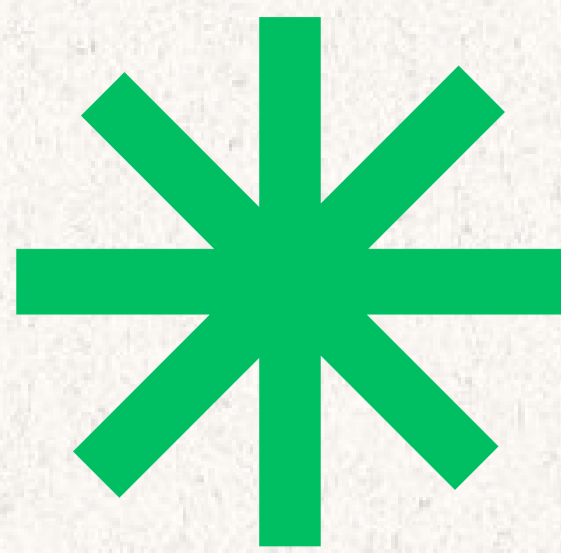
- The Eco Committee made up of, students, school's staff, representatives from parents' council and government and independent organisations.
- The committee holds a meeting at least 6 times a year and has meeting minutes report.
- The meeting minutes report is informed to the whole school.

## Environmental Review

- The environmental review is carried out by the committee members, school staff, 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 programme in school.
- The action plan is communicated to the whole school.



## Monitoring and Evaluation

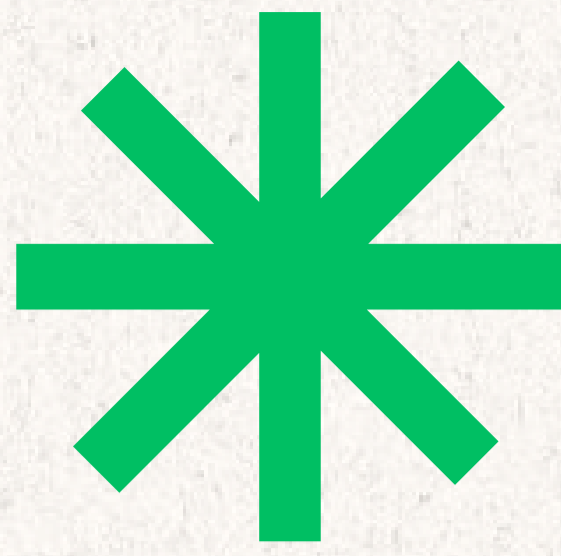
- The activities are monitored, evaluated and summarized according to the students' plan.
- There are comments and suggestions gathered from school community which are used for improving the plan.
- The progress and result of evaluation is informed to the whole school.

## Link to Curriculum

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

## Inform and Involve

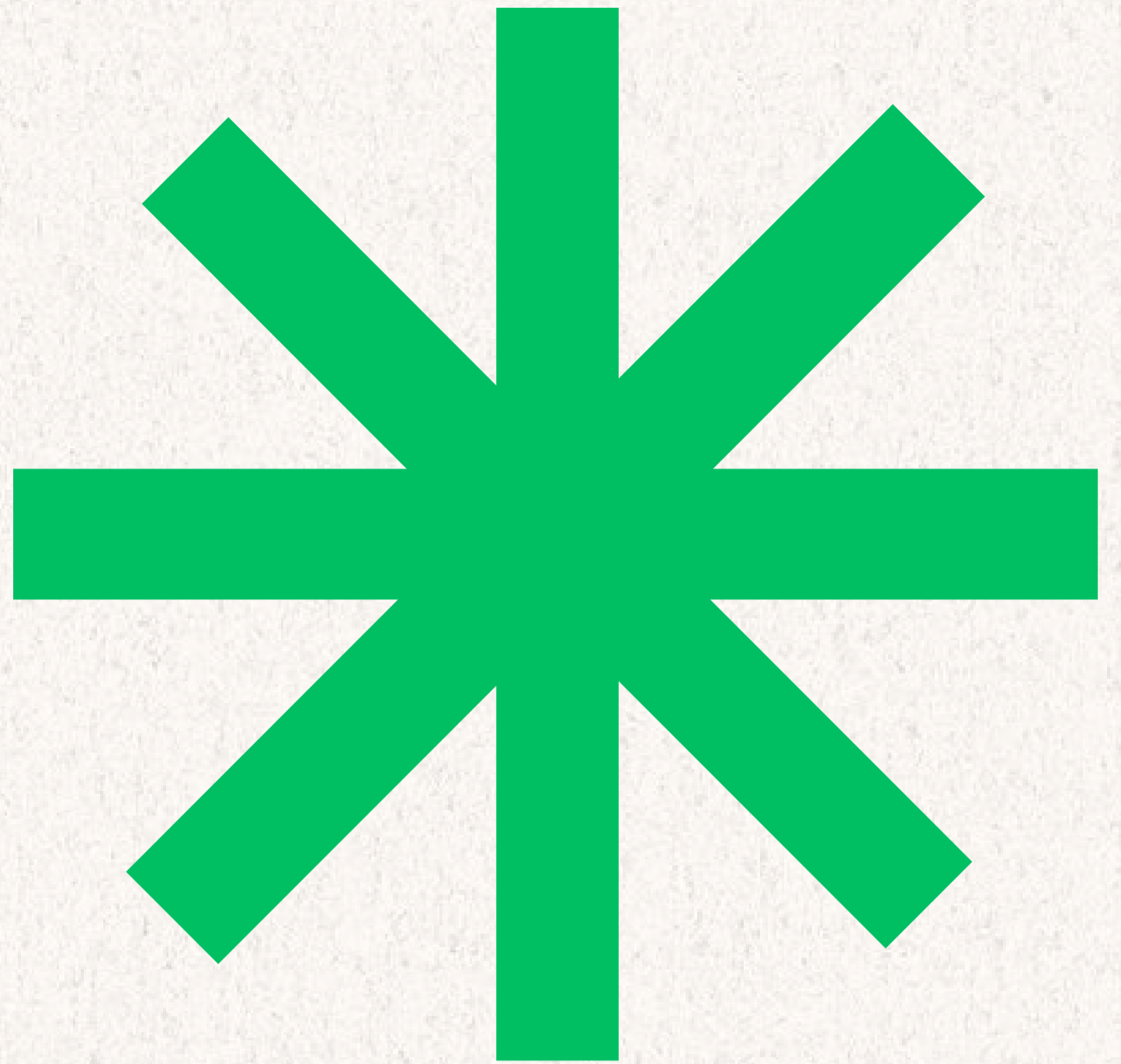
- Everyone in the school, parents and local organisation are informed about the programme.
- Everyone in the school, parents and community participate in Eco-Schools activities.
- The information about the programme is communicated to the whole school and presented to the school board's meeting, parents' meeting and local authorities' meeting or independent organisations' 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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