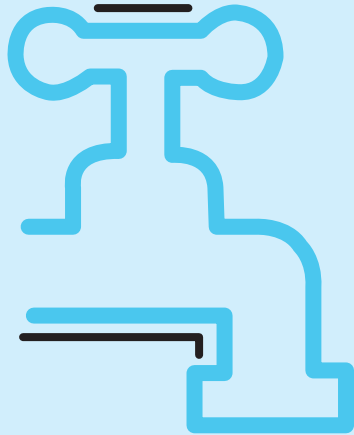




WWF
STARTER
KIT
MALAYSIA
2019



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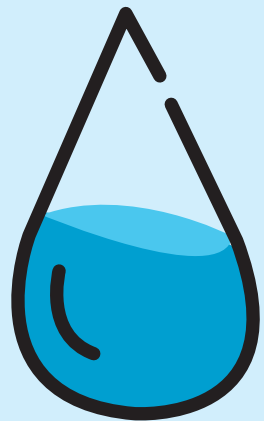


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WATER

Eco-Schools Programme
Starter Kit



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CONTENTS

DIFFICULTY LEVEL: EASY



- Labels & Tips 02
- Daily Announcements 04
- D.I.Y. Crafts 06
- Talk During School Assembly 08

DIFFICULTY LEVEL: INTERMEDIATE



- D.I.Y. Rain Water Harvesting 10
- Air Conditioner Water Harvesting 12
- Poster Competition 14
- Pipe Monitoring 16
- Water Campaign 18

DIFFICULTY LEVEL: ADVANCE



- School Community Talk 20
- River Cleaning Project 22

WHAT IS ECO-SCHOOLS STARTER KIT?

The Starter Kit is a handbook for both students and teachers which provides them with a series of ideas to organise and carry out Action Plans and activities related to the ten Eco-Schools themes. By using the starter kit as a guide, students will be able to combine creativity and problem-solving elements to engage their school community in protecting the environment.

Remember, this starter kit is just a guideline! We encourage students to come up with their own initiatives and ideas based on the Seven Steps Methodology and Eco-Themes.

The Seven Steps Methodology will also help your school to implement the eco-projects smoothly.



WATER

Provides an introduction on the importance of water both locally and globally and raises awareness of how simple actions can substantially cut down water wastage.

DEFINITIONS

Problem(s) :

The environmental issue(s) your school is facing.
(Ex: To reduce 10% of the water bill by July 2019)

Goal :

The problem(s) which you want to solve at your school.
(Ex: To increase awareness)

Target Audience :

A group of individuals/people specifically identified to carry out certain activities.
(Ex: Eco-committee/canteen operator/gardener)

Measure of Success :

Methods to determine the success of the activities.
(Ex: Measurement using water bill/electricity bill)

Collaborators :

Individuals/organisations/city councils that you may want to work with to achieve your goal.
(Ex: Engage with an environmental NGO (Non-Governmental Organisation) to present water conservation to students & teachers)

Resource Streams :

Source of funding to run your activities.
(Ex: Fundraising/In-kind donation)

Cost :

The estimated amount of money needed to carry out the entire activity.

SUGGESTED ACTIVITIES FOR WATER

To achieve Sustainable Development Goals (SDGs) 6.



For more info,
please visit sustainabledevelopment.un.org/?menu=1300
For additional resources on the SDGs,
check out worldslargestlesson.globalgoals.org/

DIFFICULTY: ★☆☆

LABELS & TIPS

SAVE WATER
Please Turn Off The Tap



Communicating about water conservation

- Label all water taps in school & put water conserving tips & reminders around the school.

DID YOU KNOW?

A dripping tap can waste up to 60 litres of water per day.

HOW CAN WE DO IT?

Problem(s)?

Lack of awareness among school community leads to high amount of water wastage.

Goal?

Reduction of water wastage among school community.

Target Audience?

School community.

Measure of Success?

Reduce in water bill.

Collaborators?

Environmental oriented club, science club and art class.

Resource Streams?

Parent-Teacher Association (PTA).

Cost?

<RM100

DIFFICULTY: ★☆☆

DAILY ANNOUNCEMENTS

Let's avoid wasting water by turning off the water tap when not in use.



Make regular announcements as a reminder to avoid wasting water as much as possible.

TIPS:

To grab your audience's attention, you can use visual effects, an emotional response, humour or the element of surprise to attract your target audience.

HOW CAN WE DO IT?

Problem(s)?

The school community is not aware of the importance of water to the environment and why we need to conserve it.

Goal?

School community has started activities to conserve water.

Target Audience?

School community.

Measure of Success?

Survey on how much they know about the importance of conserving water and what they have done to conserve it.

Collaborators?

Environmental oriented club.

Resource Streams?

None.

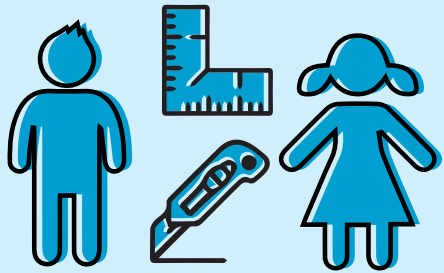
Cost?

<RM100

| | | |
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| <RM100 | | |
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DIFFICULTY: ★☆☆

D.I.Y. CRAFTS



Raise funds for your water conservation activities by making these cute DIY crafts.

SAVING WATER TIPS:

- Take a shorter shower
- Turn off the tap while brushing your teeth
- Fix any water leaks
- Only run full loads of dishes and clothes

TIPS

- Crafts like fans, calendars, bookmark & stickers.
 - You can use them for fundraising.
- Get your art teacher and creative friends to help!
- Use recycled or sustainably-sourced paper such as those certified by Forest Stewardship Council (FSC) to do this.

All the contents above are only suggestions

06

HOW CAN WE DO IT?

Problem(s)?

Lack of funding to run water conservation activities.

Goal?

To raise awareness among school community and to raise funds at the same time to run water conservation activities.

Target Audience?

School community.

Measure of Success?

Amount of funds raised and actions taken by the school community to conserve water.

Collaborators?

Art class, environmental oriented club.

Resource Streams?

Parent-Teacher Association (PTA).

Cost?

<RM100

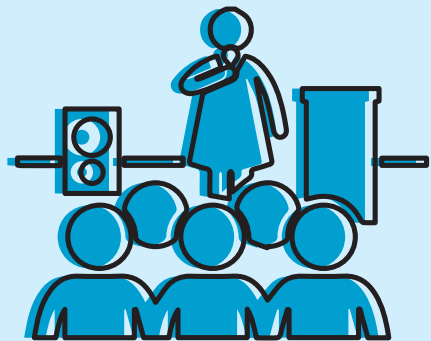
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All the contents above are only suggestions

07

DIFFICULTY: ★☆☆

TALK DURING SCHOOL ASSEMBLY



IDEAS:

- Tips for saving water
- Water footprint of items used daily
- Remind students to report leaks
- Play documentary related to water conservation
- Fun facts of water

TIPS:

- Invite your parents to any of the sharing session too!
- Get your Eco-Coordinator to share as well!

All the contents above are only suggestions

08

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HOW CAN WE DO IT?

Problem(s)?

The school community is not aware of the importance of water to the environment and why we need to conserve it.

Goal?

The school community can understand the importance of water and increase in water conservation practices.

Target Audience?

School community.

Measure of Success?

Increase in the number of students and non-teaching staff that engage in water saving practices.

Collaborators?

Environmental oriented club, NGOs, teachers.

Resource Streams?

Parent-Teacher Association (PTA).

Cost?

<RM100

| | | |
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All the contents above are only suggestions

09

DIFFICULTY: ★★☆☆

DIY RAIN WATER HARVESTING



Use a water tank to harvest rainwater.

DID YOU KNOW?

The average 25ft x 40ft roof releases about 2270 litres of water in one hour of moderate rainfall! That's enough to fill over 15 bathtubs!

HOW CAN WE DO IT?

Problem(s)?

Limited supply of clean water for domestic use.

Goal?

To reduce usage of clean water for watering plants and washing drain.

Target Audience?

Gardeners and cleaners.

Measure of Success?

Reduce in water bill.

Collaborators?

Landscape teachers, Life Skill (*Kemahiran Hidup, KH*) teachers, Technology Design (*Reka Bentuk Teknologi, RBT*) teachers, NGOs.

Resource Streams?

Parent-Teacher Association (PTA), local council and fundraising.

Cost?

>RM300

DIFFICULTY: ★★☆☆

AIR CONDITIONER WATER HARVESTING



Harvest the water produced by the air conditioners in school.

DID YOU KNOW?

Water from an air conditioner outlet is considered as safe as rain water since it is also formed by condensation process.

HOW CAN WE DO IT?

Problem(s)?

Limited supply of clean water for domestic use.

Goal?

To reduce usage of clean water for watering plants and washing drain.

Target Audience?

Students.

Measure of Success?

Reduce water bill amount & increase the practice of collecting rain/air conditioner water.

Collaborators?

Landscape teachers, Life Skill (*Kemahiran Hidup, KH*) teachers, Technology Design (*Reka Bentuk Teknologi, RBT*) teachers, gardeners and cleaners.

Resource Streams?

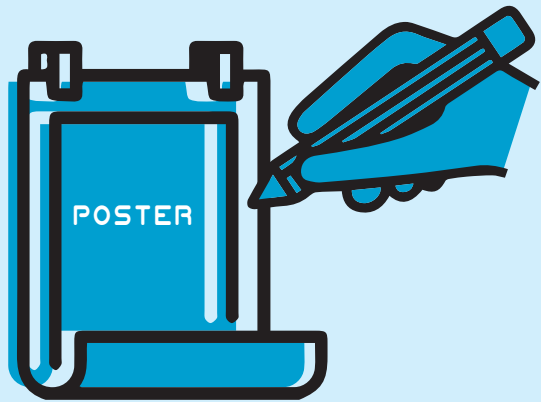
Parent-Teacher Association (PTA) and fundraising (if needed), air conditioner outlets, buckets/pails.

Cost?

RM100-RM300

DIFFICULTY: ★★☆☆

POSTER COMPETITION



Organise poster competition to raise awareness about saving water.

TIPS:

- Red text can be used to draw attention, but avoid blue and yellow, which are hard to read.
- Try to use cartoons or infographic to illustrate your messages.

HOW CAN WE DO IT?

Problem(s)?

High wastage of water and less awareness about saving water.

Goal?

Increase awareness among students and non-teaching staff to be more conscious towards water usage.

Target Audience?

Students, non-teaching staff.

Measure of Success?

Reduce amount in water bill and positive actions toward water saving practices.

Collaborators?

Art class, environmental oriented club.

Resource Streams?

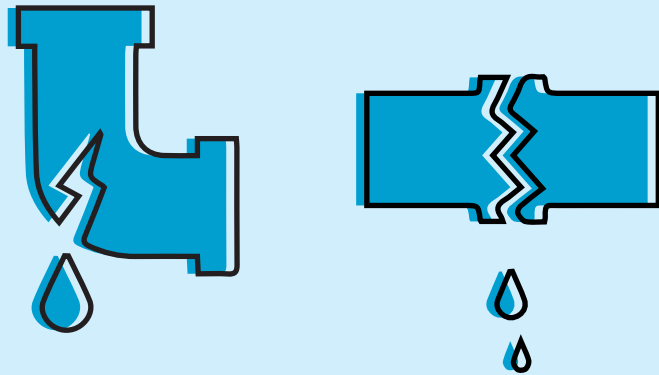
Art supplies.

Cost?

RM100-RM300

DIFFICULTY: ★★☆☆

PIPE MONITORING



Remind your students, teachers and non-teaching staff to ensure that all pipes in your school compound are not leaking. If there are any leakages, do you know who to report to?



DID YOU KNOW?

Attaching an aerator to the tap can reduce water flow by 30%!

HOW CAN WE DO IT?

Problem(s)?

Many leaking pipes are left unrepaired and causes water wastage.

Goal?

Reduce water wastage by fixing the leaking pipes.

Target Audience?

Students, teachers and non-teaching staff.

Measure of Success?

Reduce the cost of water bill.

Collaborators?

Environmental oriented club and maintenance department.

Resource Streams?

School fund.

Cost?



DIFFICULTY: ★★☆☆

WATER CAMPAIGN



Start a campaign to encourage individuals to use water wisely and to remind them the benefits of saving water.

WORLD WATER DAY

Organise a Water Saving Week as part of the World Water Day celebration.

DID YOU KNOW?

A person can live 3 weeks without food, but only 3 days without water.

HOW CAN WE DO IT?

Problem(s)?

High water usage among the school community.

Goal?

Reduce water consumption in the school.

Target Audience?

School community.

Measure of Success?

Reduce the cost of water bill.

Collaborators?

NGOs, Parent-Teacher Association (PTA), school administration, environmental oriented club, science club.

Resource Streams?

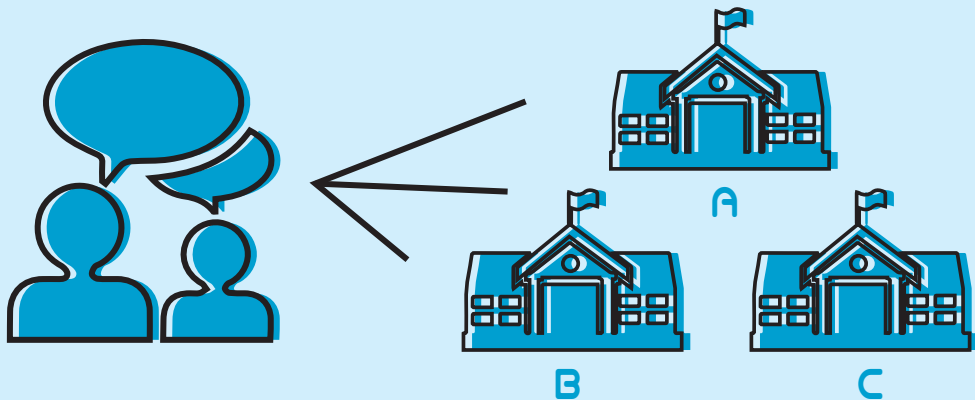
NGOs, Parent-Teacher Association (PTA), local council.

Cost?

>RM300

DIFFICULTY: ★★ ★

SCHOOL COMMUNITY TALK



Invite other schools to attend the forum/seminar on water conservation.

TIPS:

- Invite other Eco-Schools from other states/countries to share about their water theme project.
- Invite water expert to share about importance of water conservation.

HOW CAN WE DO IT?

Problem(s)?

Neighbouring schools are not aware of the importance of water to them and the environment and why we need to conserve it.

Goal?

Increase awareness through knowledge sharing session.

Target Audience?

Neighbouring schools.

Measure of Success?

More schools adopting water saving practices.

Collaborators?

NGOs, local council.

Resource Streams?

Parent-Teacher Association (PTA), local council, fundraising.

Cost?

>RM300

DIFFICULTY: ★★ ★

RIVER CLEANING PROJECT



1. Mud Balls Making Workshop

- Organise mud balls making workshop and cleaning the drains and rivers using the mud balls.



2. Monthly River Cleaning

- Collect, separate and weigh the garbage collected, and see if there is a decrease in rubbish collected over time due to river conservation campaigns.



3. River Adoption Project

- Join hands with other schools/tertiary institutions/organisation and adopt a river situated near your school.

Additional Tips for Teachers: Involve your students in citizen science projects by participating in public scientific researches.

Example: <http://umwaterwarriors.wixsite.com/tasek/sains-rakyat>

DID YOU KNOW?

90% of our water supply comes from the rivers and streams. So, it's important to keep our rivers clean!

HOW CAN WE DO IT?

Problem(s)?

Lack of awareness on river pollution.

Goal?

School community to be more aware on the cause of river pollution.

Target Audience?

The public or school located near rivers.

Measure of Success?

Improved quality of the river.

Collaborators?

NGOs, environmental oriented club, local council.

Resource Streams?

Parent-Teacher Association (PTA), local council, NGOs, environmental oriented club.

Cost?

>RM300

QUICK FACTS

People in Malaysia consume

209

litres of water per person per day.



It is still far beyond the water usage recommended by United Nation, which is

50-100

litres per day.

However, there is only

30%

of the water usage

that is used for actual consumption such as cooking and drinking, while the rest of it is just used for utilities like washing cars, washing pools and washing clothes.

PLEASE



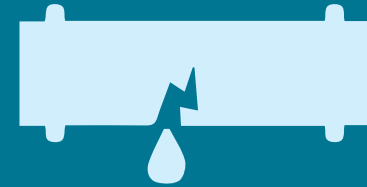
USE A
LOW-FLOW
SHOWER HEAD



TAKE
SHORTER
SHOWER



TURN OFF
THE TAP



REGULARLY CHECK
FOR ANY LEAKING



COLLECT
RAIN WATER

FOR WASHING YOUR CAR OR
WATERING THE GRASS

YOUR WATER DOES NOT COME FROM A TAP,
IT COMES FROM THE RIVERS, LAKES,
WETLANDS, AND STREAMS.

60%

OF FRESHWATER IS
FROZEN IN GLACIERS,

30%

IS IN GROUNDWATER OFTEN
DEEP BELOW THE EARTH'S SURFACE

10%

IS IN LAKES, STREAMS,
AND RIVERS.

60%

OF OUR RIVER ECOSYSTEM
IS UNDER THREAT.



WE HAVE TO RETHINK HOW WE USE
OUR WATER RESOURCES.
USE IT WISELY.

THERE ARE 7.6 BILLION PEOPLE
AROUND THE WORLD.



2.1

BILLION PEOPLE
LACK ACCESS TO SAFE
DRINKING WATER.



4.5

BILLION PEOPLE
HAVE NO ACCESS TO
ADEQUATE SANITATION.

THERE ARE PEOPLE WHO SPEND ABOUT

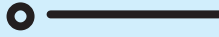
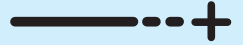
8 HOURS

FETCHING WATER EVERY DAY, JUST FOR
THEIR BASIC EVERYDAY USE SUCH AS
SHOWER, DRINKING AND COOKING.



BE GRATEFUL FOR WHAT YOU HAVE.
**DON'T TAKE WATER
FOR GRANTED.**





WATER COVERS
2/3 OF THE
SURFACE OF
THE EARTH



BUT ONLY 0.002%
IS DRINKABLE.
TREASURE WATER.

