

2026

INTER-SCHOOL
COMPETITION

Carbon Reduction@School

Tips for Building a Low-carbon Campus



How Can Teachers and Students Save Energy and Water on Campus?

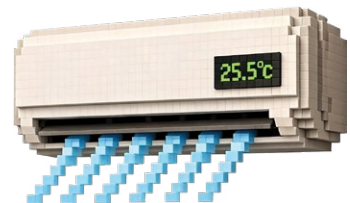
1

Switch off the lights and
air conditioners once
nobody is in the rooms



2

Maintain the
air-conditioned
room temperature
between 24 - 26°C



3

Use fans instead of
air-conditioning



4

Switch off
computers after
use



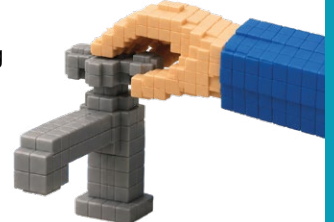
5

Take the stairs instead
of an elevator



6

Turn all taps and drinking
fountains off after use



7

Turn off the tap before
rubbing hands with liquid
soap



8

Report all leaking taps, pipes,
drinking fountains and
cisterns





Reference

For ease of reference in assessing the campus's energy and water consumption against the desired benchmarks, the data on per capita electricity and water consumption from the 23 winning primary and secondary schools of the "2024 Hong Kong Awards for Environmental Excellence" (School Sectors) were collected, with the annual averages of both items calculated for reference:

School Sectors	Electricity Consumption Per Capita (kWh)	Water Consumption Per Capita (m ³)
Primary School	1584.9	27.5
Secondary School	1719.8	8.9



Please take reference from the above information to set energy and water consumption targets for your campus, and work together with staff and students to practise energy conservation and water saving to reduce carbon emissions continuously.

Beyond energy and water conservation, everyone should practise carbon-reducing habits in the respect of clothing, food, living and travel. For more details, please visit the "[Let's count and build carbon-reducing habits](#)" website.



Useful Information



Environment and Ecology Bureau and
Environmental Protection Department -
Guide to Low Carbon School



Hong Kong Awards for Environmental
Excellence - Guidelines & Highlights of
Best Practices (Schools)



Education Bureau -
Effective Use of Resources in Schools



Water Supplies Department -
School Water Saving Tips



Water Supplies Department -
The "Let's Save 10L Water" Campaign

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How Can Schools Continuously Promote Energy and Water Saving?

Look ahead to the future, schools may consider adopting the following measures, according to own operational budget and implementation timeline.

1

Install renewable energy devices and promote renewable energy education



2

Adopt an Internet of Things solution to monitor electricity consumption of school in real time



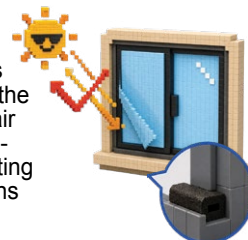
3

Install energy-saving equipment, such as LED lamps, air-conditioners with Grade 1 Energy Efficiency Label, and timer controls for electrical appliances.



4

Place weather strips on doors and windows, add a cover to the outdoor unit of the split-type air conditioner, and apply energy-saving sensors, heat-insulating films, and thermal curtains to reduce electricity consumption



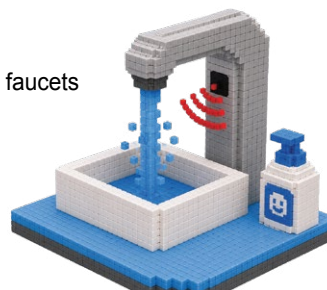
5

Sign up for "Energy Saving Charter" and "4T Charter" Schemes



6

Install infrared sensor faucets



7

Install water-saving valves and pressure-reducing valves on faucets to reduce water consumption



8

Establish a rainwater catchment system to collect rainwater for irrigation



9

Set up water buckets to collect wastewater for irrigation and toilet flushing



10

Adopt new technologies, such as setting up solar-powered automatic wastewater irrigation system and leak detection alert devices



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