

## Carbon Footprint Audit

Written by Administrator

Monday, 16 January 2012 11:49 - Last Updated Thursday, 08 March 2012 11:52

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The Carbon Footprint, or Ecological Footprint, “*measures the extent of human demand for the regenerative capacity of the biosphere*” (WWF Hong Kong, 2011). It measures the area of land required to support the living of a man on the earth. The bigger the footprint, the more resources the man has used to support his life.

In 2010, the Carbon Footprint per capita in Hong Kong was 4 global hectares, which is 2.2 times of the global average (WWF Hong Kong, 2011). This means that:

1. Hong Kong people, on average, consume natural resources far more than the world's fair share; while people in some other countries are receiving insufficient natural resources.
2. If every person on the earth consumes as much as natural resources as Hong Kong people, 2.2 earths are required to support all of our life.

To maintain a low-carbon campus, PLK Laws Foundation College has carried out carbon-audit on monthly basis since XXX 2011. The following figures show the major aspects of the carbon-audit, respectively electricity-consumption, water-consumption, paper-consumption and weight of waste.

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## **Aims**

1. To educate and engage the staffs and the students in environmental improvement.
2. To arouse students and staffs awareness of water and electricity conservation.

## **Areas of concern**

**Major concern 1:** Reducing and reusing school waste

<b>Strategies / Tasks</b>
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<b>Criteria of Success</b>
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<b>Methods of Evaluation</b>
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<b>People Responsible</b>
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1. All school documents, like minutes, agenda, teaching plans, school plans, are saved electronically.

2. Notes, worksheets and facsimiles are printed on both sides of paper.

3. Emails are used for internal and external communications.

4. Scrap paper is reused. Collection boxes are available next to the printers and photocopiers to collect scrap paper.

5. Envelopes are used more than once by attaching new labels on them.

- Subject document folders are ready in the server.

- General Office use one-sided paper for facsimiles. Janitors will print all notes and worksheets on one side.

- I.T. committee set up group google email accounts for our internal and external communications.

- Teachers and staff are encouraged to put the scrap papers in the boxes and we can reuse them.

- General Office keep all used envelopes and they reuse them when necessary.

- All department heads are responsible to check and make sure soft copies are saved in the school server.

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· All printing record can be checked in the printing record book.

· All teachers use group emails for communication.

· Janitors collect all scrap papers next to the printers and photocopiers. Reuse the papers for all f

· General office has kept record of using new stationery.

· Department Heads

· General Office

· All teachers

· Janitors

· General Office

### Major concern 2: Water Conservation

#### Strategies / Tasks

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### Criteria of Success

### Methods of Evaluation

### People Responsible

1. Signs are posted up to remind students and staffs to save water.

2. Students and staffs are encouraged to report drips and leakage to General Office.

- Students and staffs arouse their awareness and don't waste the water.

- Drips and leakage can be report to General Office to minimize wasting a lot of water.

- Keep water bills to check monthly consumption.

- General office and Ms. Lisa Cheung

- All teachers and staffs

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### **Major concern 3: Electricity Conservation**

<b>Strategies / Tasks</b>
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<b>Criteria of Success</b>
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<b>Methods of Evaluation</b>
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<b>People Responsible</b>
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1. Students in each class should be assigned to turn off all electric appliances when leaving a room.
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2. Staffs are encouraged to turn off their computers after work.
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3. Students are encouraged to use natural ventilation instead of air conditioning as far as possible.
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4. Only General Office is given the right for adjusting the temperature of the air-conditioners in the building.
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5. Students are told to keep the doors and windows closed when the air-conditioners are in use.
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6. Students are encouraged to study in the library after school instead of staying in different classrooms.
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· Environmental monitor/monitress turn off all electric appliances every time when they are not in

· Teachers remind each other if they forget to turn off their computers after work.

· Only one air-conditioner is used in each classroom and the temperature is set at 25°C.

· All remote controls are kept in the General Office.

· Class monitor/monitress help to check and make sure all the windows and doors are closed when

· Study groups are held in the library after school if necessary.

· Keep electricity bills to check monthly consumption.

· Observations by teachers

· Observations by teachers

· General Office keep all remote controls.

· Observation by teachers

· Observation by teachers

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· General Office, Ms. Lisa Cheung

· All teachers

· All teachers and General Office

· General Office

· Class teachers

· All subject teachers, librarian

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WWF Hong Kong. (2011). *Hong Kong ecological footprint report 2010*. Hong Kong: WWF Hong Kong.



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