# HAKUO FOOTPRINT $\sim$ In the selectable society~ 

Tokyo Metropolitan Hakuo Junior and Senior High School

-How do you make choices everyday? -Check them from the environmental perspectives ( = HAKUO Footprint)

What if every single one of you start thinking with it ?


## HAKUO Footprint?

-Original measurement

- Based on individual choices
-Leads you to the new understanding


## The style of bathing

Japanese people use 40 percent of water for bathing

How many times the length you spend in a shower is longer than the average time

## The types of toilet

The amount of saved
water per use is 3.6 L

## - vertical axis:

total amount of flushed water(L) -horizontal axis:
number of times to flow

|  | Household members |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| $\mathbf{1 m i n}$ | 0.32 | 0.23 | 0.22 | 0.20 |
| $\mathbf{2 m i n}$ | 0.64 | 0.47 | 0.43 | 0.41 |
| $\mathbf{3 m i n}$ | 0.97 | 0.73 | 0.65 | 0.61 |
| $\mathbf{4 m i n}$ | 1.29 | 0.93 | 0.87 | 0.82 |
| $\mathbf{5 m i n}$ | 1.61 | 1.21 | 1.09 | 1.02 |
| $\mathbf{6 m i n}$ | 1.93 | 1.46 | 1.30 | 1.22 |
| $\mathbf{7 m i n}$ | 2.25 | 1.63 | 1.52 | 1.43 |
| $\mathbf{8 m i n}$ | 2.58 | 1.86 | 1.74 | 1.63 |
| $\mathbf{9 m i n}$ | 2.90 | 2.09 | 1.96 | 1.84 |
| $\mathbf{1 0 m i n}$ | 3.23 | 2.33 | 2.17 | 2.04 |

The amount of flushed water per use


## The kinds of stationery

| Comparison | PENCIL | MECHANICAL PENCIL |
| :---: | :---: | :---: |
|  |  |  |
| Material | $\underset{\substack{\text { Tree(plant) } \\ \Rightarrow \text { Sustainable } \\ \text { resource }}}{>}>$ | Plastic(petroleum) <br> $\Rightarrow$ Limited resource |
| Material/ Chemical recycle | $\times<$ | 23\% Material recycle <br> 4\% Chemical recycle |
| Heat of combustion | $\underset{\rightarrow 10000 \mathrm{~kJ} / \mathrm{kg}}{\text { wood }}<$ | $\begin{aligned} & P P \Rightarrow 34000 \sim \\ & 46000 \mathrm{~kJ} / \mathrm{kg} \\ & \\ & P S \Rightarrow 41900 \mathrm{~kJ} / \mathrm{kg} \end{aligned}$ |
| Length that can be written | 50km $>$ | $\begin{gathered} 0.24 \mathrm{~km} \\ \text { (9.6km/a case of lead) } \end{gathered}$ |

Which writing implement will you use?

