

# How we can tell bad influence of micro-plastic on human bodies effectively to high school students



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## Summary

Since this July, we are charged for plastic bags to reduce plastic waste. Some of the plastic waste which isn't recycled properly drift into the sea, and they will never be completely decomposed. Finally, they turn into micro-plastic and are accumulated on the bottom of the sea. Although we know bad effects of plastic on the environment, why don't we change our actions and behavior? We have been thinking ways to tell effectively about plastic's influence on us: put up posters showing bad effects of micro-plastic, and comparing and surveying changes in students' attitudes toward using plastic products.

## Background

### (1) Enlightenment of preserving the natural environment



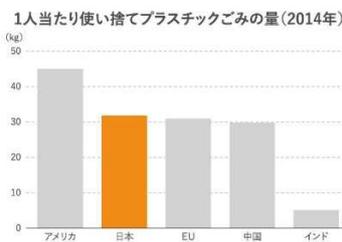
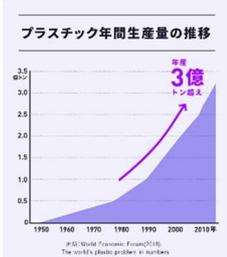
Plastic waste, Abandon plastic, Reduce plastic, Eco shopping bag of newspaper, etc...

### (2) Size of micro plastic



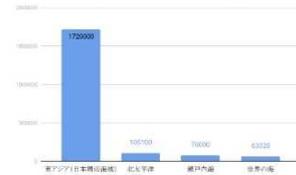
Too small to remove completely!

### (3) The amount of using plastic

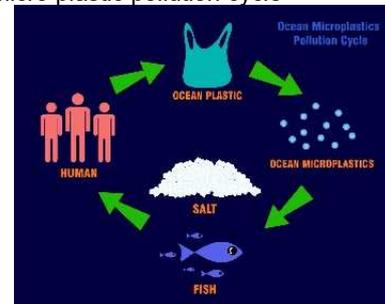


### (4) Micro plastic in the sea

海洋別1㎡あたりに存在するマイクロプラスチックの個数



### (5) Ocean micro plastic pollution cycle



## Our Action

The ways to tell effectively about plastic's influence

### (1) Put up two kinds of posters which show bad effects of micro-plastic



### (2) Compare and survey, by giving a questionnaire, changes in students' attitudes toward using plastic products.

- Q1. Have you noticed the posters?
- Q2. Which poster is the most impressive?
- Q3. Have you changed your attitude or action after you saw them?

## 参考文献

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- World Economic Forum『プラスチック年間生産量の推移』
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([https://wedocs.unep.org/bitstream/handle/20.500.11822/25496/singleUsePlastic\\_sustainability.pdf](https://wedocs.unep.org/bitstream/handle/20.500.11822/25496/singleUsePlastic_sustainability.pdf))