

They are a kind of woodpeckers and the biggest of all of them.

They dig a hole of the nest using their bill as flea.

They are called "chiputa chikappu" by Ainu.

From Red list of Ministry of Environment, they have been designated endangered species II class.

It is put on red cap  
It has black body.



The black woodpecker  
that may change  
the world

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## Purpose · Motive

- I. Black woodpecker is called a "lead god". When we lost our way can follow it. So we can make good use of it in the Tokyo Olympic Games.
- II. How do we spread the places to live Black woodpecker in Japan?
- III. To make comfortable environment for Black woodpecker to live.

## Hypothesis

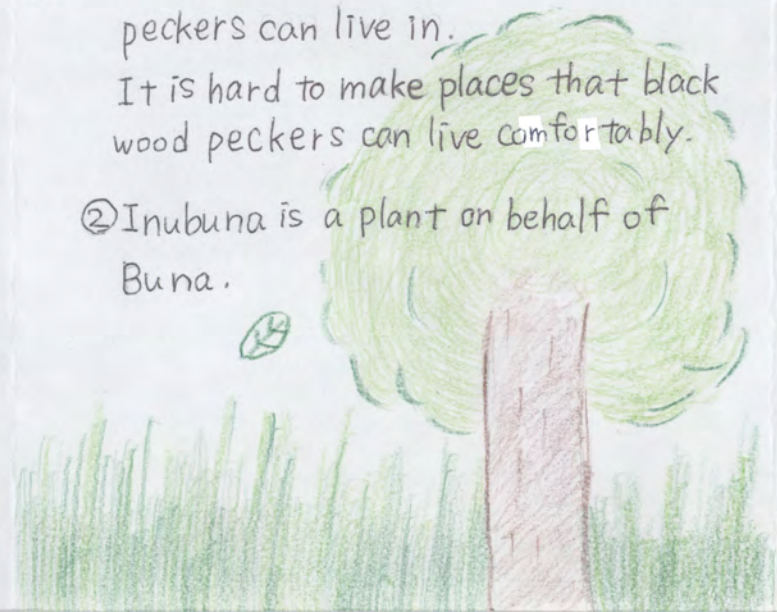
- I. ① We make Black woodpecker can live in the Kanto district.  
② How did Black woodpecker get accustomed to humans and remove their wariness?  
③ We will teach the black woodpecker the solar position and the positions of the stars.
- II. ① We plant many beech forests.  
② We plant plants to replace beech forests.
- III. ① We increase nature. → plant plants.  
② We secure places to plant plants.  
③ We secure plants.

## Effect of research (about black wood peckers)

- They teach us where the bears are.
- Big trees in natural woods have decreased, because they were cut down.
- They inhabit conifers.
- They inhabit deep into the forest.
- We need to plant trees.
- They inhabit the forest near the river called Akaishigawa river, but we cannot confirm them because the woods are decreasing.

## about hypothesis

- I ① We need to increase trees.  
② They are originally having no wariness
- II ① There are few places that black wood peckers can live in.  
It is hard to make places that black wood peckers can live comfortably.  
② Inubuna is a plant on behalf of Buna.



## Analysis

- I. Black woodpecker aren't wary of humans. They may be coexistent with humans. But they live in coniferous forests. So it is impossible for us to use black woodpecker in Tokyo Olympics.
- II. Black woodpecker lived together in the beech forest. We need to plant trees. Then Japan will be covered with plants. And we suppress global warming.
- III. We need a lot of money, time and labor to create a living environment for black woodpeckers. So it become previously to make the environment where black woodpecker is livable.

## Conclusion

- We need to make it a rule to grow plants at school.
- We need to know more about black woodpecker's habitat.
- We need to grow them carefree.