

Science lesson

□ Topic: Visible Light Communication

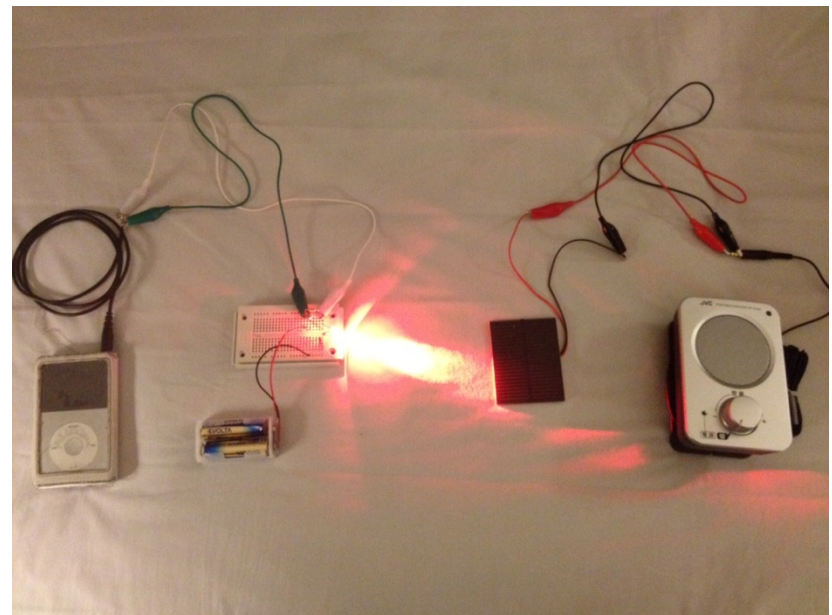
Objective

In this lesson, each student was expected to:

- realize the importance of telecommunications and their problems; and
- infer visible light communications (VLC) as a new kind of telecommunications

Agenda

1. Introduction (5min)
2. Principle of telecommunications (10min)
3. Problems and their solutions (10min)
4. Experiment (50min)
5. Discussion (10min)
6. Future view and Conclusion (5min)



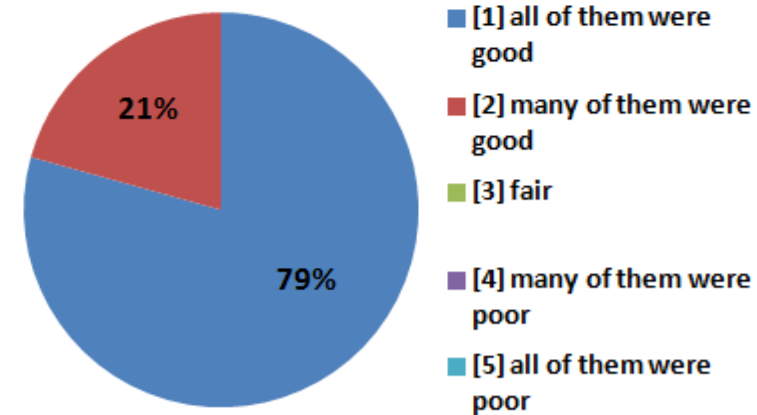
Through this science lesson

Plus point

- Experiment
 - experiment was unique
 - difficulty is moderate
- Most of the concepts we shared were new to the students

Minus & Reflection points

- Consider the structure of our lesson
 - prepare enough time for question period
- Enough survey of materials were supplied
 - prepare extra experiment kits and survey-questionnaire (for contingency)
- English skills, especially pronunciation
 - we need to improve our English skills, especially with regard to speaking



Q. How do you evaluate the lecture
(How many students all in all were surveyed?)

Japanese Culture Lesson

Agenda

Self-introduction

“What is the Washi”

1. Meaning of Washi
2. Diversity of Washi
3. Washi in daily life
4. Process of traditional papermaking
5. Make original Washi
6. Problem: How to maintain the tradition of Washi?

Our lesson was student-centered because:

- We provided “Washi”-making activity
- We let the students give possible solutions to maintain traditional craft



Excursions/Visits

Universitas Indonesia



We had a tour around UI. The land is about 6 times as large as that of Hokkaido university's area.

Botanical garden in Bogor



We went to a Botanical garden in Bogor. Some students from Bogor Agricultural University explained the plant species that are indigenous in Indonesia.

Results/Assignments



At SMAN 1, Depok

Results

We could interact with various Indonesian, university students, high-school students, professors of university, and so on. We realized that the comprehension level of the students are high. When we taught to high-school students, majority of the students' were very curious about our research and culture.

Implications of our experience

In the future, we may have projects that need collaboration with foreigners. Through this experience, we realize that we really must improve our English proficiency. We also should know and help improve the situation of developing nations. For instance, we experienced so many problems that we can't do in Japan, such as traffic jam, garbage, and so on.