

(For JSPS Fellow)

Form B-5

Date (日付)

19/09/2016 (Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-

(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): RAMIERE Aymeric, Michel, Maurice (ID No. P15728)

- Participating school (学校名): Jr. & Sr. High School at Komaba, University of Tsukuba

- Date (実施日時): 17/09/2016 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Heat from macroscale to nanoscale

(in Japanese)

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

The total duration of the lecture was about 1.5h. I divided this time into two parts of about 30 minutes each and the rest was for questions and discussions.

The first 30 minutes were about my personal life; presentation of France through my educational path. At this occasion, I presented several French cities (my hometown, Lyon, Paris, Aix En Provence) and my motivations to become a scientist. I also introduced some cultural aspects of France like famous museums (Louvres, Versailles,...) and daily life examples (how to greet in France). This part of the presentation was followed by numerous questions from the students.

Then, I started the second part of the lecture that was an introduction to my research activities. As the students were only in Junior High School, I tried to use simple words and focus on the practical aspects of my research. I explained the notion of temperature and heat and how it is possible to harvest energy from heat by using thermoelectric devices that we are developing in the laboratory. I used some video animations to try to explain more clearly some points. This scientific presentation lasted around 25 minutes and was followed by demonstrations with actual thermoelectric devices. This demonstration time was also the occasion for the students to ask questions even if more formal questions were asked after.

- Language used (使用言語): English_____

- Lecture format (講演形式):

◆Lecture time (講演時間) 60 min (分), Q&A time (質疑応答時間) 30 min (分)

◆Lecture style(ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

Powerpoint presentation with projector, used some videos, conducted experiments_____

Must be typed

- ◆ Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

No accompanied person. The presentation was held from the beginning to the end in English _____

- ◆ Name and title of accompanied person (同行者 職・氏名)

- ◆ Other note worthy information (その他特筆すべき事項):

- Impressions and opinions from accompanied person (同行者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):