

(For JSPS Fellow)

Form B-5

Date (日付)

31/1/2013 (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): KOWALCZYK Timothy Daniel (ID No. P 12333)

- Participating school (学校名): Shizuoka Kita High School, Shizuoka

- Date (実施日時): 31/1/2013 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) How can we make a better solar cell?
(in Japanese) どうやって太陽電池を改善できますか。

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

In this lecture, I first introduced myself and told the students about my home town and country. I also made some comparisons between my home town and Shizuoka to help them see some of the similarities and differences. Then we proceeded to an introduction to the science of how light interacts with matter. With this background in place, I then described how a solar cell operates, and my research in computer simulations of chemical processes can help us design solar cells that convert more light into electricity.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 90 min (分), Q&A time (質疑応答時間) 20 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))

Used projector to show scientific and cultural images; showed animations and simulations.

◆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))

Had excellent Japanese assistance from an undergraduate in the group.

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

馬場 尚登 (大学生)

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

The students certainly had difficulty understanding the presentation in English, but with help from Baba-san, I think they were able to follow along. They were reluctant to ask questions, but when they did, they were good questions. Several students asked a question in English too!

- 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。):

Baba-san tells me that he believes only a few of the students understood a significant amount of the English in the presentation. He thinks they were a little intimidated by me at first, but that by the end they felt more comfortable, enough so to ask questions. He also thought the provided lunch was very generous!