

(For JSPS Fellow)

Form B-5

Date (日付)

5/3/2013 (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): Briony Mamo (ID No. P12765)

- Participating school (学校名): Kasugai High School

- Date (実施日時): 4/3/2013 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Foraminifera: small size, big tool

(in Japanese) 有孔虫:小さいサイズ・大きい道具

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

During my lecture with the students of Kasugai High School I tried to not only present to them what I do in my career but also what it is like being a scientific researcher. I hoped to make the presentation light and enjoyable. Speaking in both Japanese and English my lecture covered the following topics:

- Who I am.
- Where I am from.
- How I became a scientist.
- How I came to work in Japan.
- What I research, what foraminifera are and why they make such excellent tools in scientific research.
- What you need to consider if you're planning a career in science.

After this I led the students through two activities, each taking 30mins. One included picking foraminifera out of sand, which is a large part of my laboratory work. I hoped that this exercise could show students how beautiful the natural world is, even the tiny things that often go unnoticed. The other exercise included a series of discussion questions where the students were asked to contemplate modern day scientific issues. These included leading research problems across the world and specifically for Japan, the role the media plays in scientific research and finally the student's own scientific interests. My lecture concluded with a summary of their discussion results and some 'take home' messages to help them think about their future careers. At the end of the lesson the students were able to take home a small vial of the foraminifera they had collected during the lesson under the microscope.

- Language used (使用言語): English and Japanese

- Lecture format (講演形式):

◆Lecture time (講演時間) 120 min (分), Q&A time (質疑応答時間) 5 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, black board and conducted experiments using microscopes, sand, brushes, petri dishes and well slides. Small vials were given to the students so they could take home their collected foraminiferal specimens.

◆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))

Presentation was partly in Japanese by myself, during the experiment, Japanese assistance was provided when instructing the students.

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

Kurasawa Atsushi (Biogeos 3 scientist from JAMSTEC)

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

Kurasawa-san is fluent in English

- 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。):

Kurasawa-san was an invaluable asset at the Science Dialogue. He was of great help in relaying my instructions to the students on how to complete the laboratory experiment effectively. Kurasawa-san was also extremely helpful during introductions and discussions with the staff at Kasugai High School.

Kurasawa-san said that he enjoyed the Science Dialogue experience where we were able to interact with the students.