

Form B-5

Date (日付)

_____ (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): Martin Martis (ID No. P 11769)

- Participating school (学校名): Koshi High School

- Date (実施日時): 27/October/2012 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) A brief introduction to Slovakian, nano-sized catalysts and eco-materials

 (in Japanese)

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

My presentation consisted from two parts. In the first part, I introduced my home country. Slovakia. I presented basic facts about the country, places to visit and traditions. In the second part, I talked about the topics researched in the Prof Yamashita's group at Osaka University. Then I introduced the concept of catalysis and photocatalysis, and my research topic here in Japan, which also include splitting H₂O to H₂ and O₂ using visible part of the solar spectrum as the driving force for this reaction. I explained what photocatalysts are, and the criteria a material need to have to be photocatalytically active. I also talked about the reasons for the research (climate change, and melting of the arctic ice), and the benefits and problems using hydrogen as the energy source of the future. I wanted to give the students an overall idea, why these topics are important. After my presentation, Mr Ikurumi presented a short summary of the talk in Japanese, which was very beneficiary to the students to understand.

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

- Lecture format (講演形式):

◆Lecture time (講演時間) 50 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))

 Projector.

◆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))

 By accompanied person

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

Mr. Shohei Ikurumi

◆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。)

高校生に対して、我々が研究している専門的な事柄をわかりやすく説明する必要があり、非常によい経験となりました。