

(For JSPS Fellow)

Form B-5

Date (日付)

26/08/2015 (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): RENATA KIEREPKO (ID No. P 14801)
- Participating school (学校名): Fukushima Prefectural Fukushima High School
- Date (実施日時): 25/08/2015 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) SCIENCE = MAGIC
 (in Japanese) 科学は魔法だ
- Lecture summary (講演概要): Please summary your lecture 200-500 words.
 Lecture was divided into four parts. Following teacher (from inviting school) suggestion, first part included information about my country, school and grading system in Poland, life of teenagers and their activities after school time. These all aspects were covered in some details, trying to give general overview of my country. The second part of the presentation focussed on science. Initially I presented list of unsolved scientific problems yet and my motives to be scientist. I tried to describe and explain some facts from life and work of first major researcher from my field - Maria Sklodowska Curie. Following this, the knowledge of radioactivity and features of unstable isotopes were presented. After this introduction, based on simple experiment on isotopes decay aspects, students solved problem of Fr-233 disappearance in Earth's crust. During third part, I talked briefly about my main research, Pu separation and determination in environmental samples and about work in radiochemistry laboratory. The final part included simple experiment with natural samples from: India (as a example country with HBRA area - high radioactivity level of the natural background) and inviting school area. Students found that even natural area can contain big amount of radioactive isotopes. The last point of the lecture was demonstration of dose rate measurement from average watch covered Ra paint.
- 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))
projector and Power Point, experiments, simple calculation, work in groups
 - ◆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))

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

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

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- 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。):