

Form 3

Date (日付)

27/08/2009

(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 (参加外国人研究者氏名): Zaneta Swiatkowska-Warkocka (ID No. P08734)

Participating school (参加機関(受入学校名)): Yokohama Science Frontier High School

Date (実施日時):18-19/08/09(Date/Month/Year:日/月/年) Time: from 9 :30 to 12 :00

Lecture title (講演題目): (in English) Nano-scale science

(in Japanese) 磁性ナノ粒子材料の作製とその形態制御

Lecture summary (講演概要):

Nanoscience is the science of the extremely tiny objects. "Nano" refers to a nanometre (nm). At this scale, materials behave very different from when they are in larger form. Nanomaterials can be harder or more elastic, conduct heat or electricity in a different way, or change the magnetic properties. They also change color; particles of gold look red, blue or gold, depending on their size. These special attributes are already used in a number of ways, such as in making computer chips, CDs and mobile phones. In my presentation I would like to introduce to what nanoscience is and what is interesting about science at the nanoscale.

Language used (使用言語): English

Lecture format (講演形式):

Lecture time (講演時間) 45 min (分), Q&A time (質疑応答時間) 30 min (分)

Lecture style (examples: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、プレ実験など))

After lecture students observed gold and magnetite nanoparticles by using Scanning Electron Microscope.

Interpreter (example: assistance by host or colleague, provided Japanese explanation by yourself)

(通訳 (例: 受入研究者によるサポート、外国人研究者本人による日本語説明))

assistance by host _____

Name and title of assistant (協力者 職・氏名) (example: host or colleague)

host Kenji Kawaguchi _____

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

Impressions and opinions of assistant (協力者から本事業に対する意見・感想等がございましたら、お願いいたします。):