

様式 A-1
(FY2024)

2024 年 7 月 3 日

サイエンス・ダイアログ 実施報告書

1. 学校名・実施責任者氏名: 大分県立大分雄城台高等学校・後田 憲治
2. 講師氏名: Dr. Manpreet Singh
3. 講義補助者氏名: なし
4. 実施日時: 2024 年 6 月 28 日 (金) 13:30 ~ 15:00
5. 参加生徒: 2 年生 60 人、 1 年生 0 人、 3 年生 0 人 (合計 60 人)
備考: (例: 理数科の生徒) アドバンストクラス
6. 講義題目: Chemistry from Flasks to Fields
7. 講義概要: ①母国インドの文化や言語について
②英語の重要性
③自身の研究内容や社会における科学の役割
8. 講義形式:
☒ 対面 ・ ☐ オンライン (どちらか選択ください。)
 - 1) 講義時間 60 分 質疑応答時間 15 分
 - 2) 講義方法 (例: プロジェクター使用による講義、実験・実習の有無など)
プロジェクター使用による講義、実験・実習は無
 - 3) 事前学習
有 ・ ☒ (どちらかに○をしてください。)
使用教材
9. その他特筆すべき事項:
特にありません。

Form B-2
(FY2024)
Must be typed

Date (日付)

2024/07/01 (Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ 実施報告書)

- Fellow's name (講師氏名): Dr. Manpreet Singh (ID No. P22335)

- Name and title of the lecture assistant (講義補助者の職・氏名)

- Participating school (学校名): Oita Prefectural Oita Oginodai High School

- Date (実施日時): 28 June, 2024 13:30-15:00 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):

Chemistry from Flasks to Fields

- Lecture format (講義形式):

◆ ☒ Onsite ・ ☐ Online (Please choose one.) (対面 ・ オンライン) ((どちらか選択ください。))

◆ Lecture time (講義時間) 60 min (分), Q&A time (質疑応答時間) 15 min (分)

◆ Lecture style (ex.: used projector, conducted experiments)

(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))

Used projector for presenting slides and gave some live demonstration of crystal files using mercury software.

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

It was a great experience to be in Oita Prefecture to deliver this talk. The day began with my arrival at Oita Prefectural Oita Oginodai High School and meeting the coordinating staff of the school. I was introduced to the Japanese school system with a short tour of the school. Later on, I began my lecture at 1:30 PM. The lecture presentation was divided into three sections. i) Introduction to India and its culture ii) The importance of learning languages, mainly English, along with tips to learn English in Japan; and iii) The introduction and applications of metal organic frameworks for various applications. I used a lot of picture-based slides to make the presentation more interactive with students. Later on, I demonstrated some crystal structures to the students to boost their interest in the latest research. Since the lecture was full of students with backgrounds in science and non-science, I tried to keep my vocabulary simple and easy to understand in English. After a short break of 10–15 minutes for framing questions in English, students started asking me about my culture and my research field. Students tried to frame questions in English as an initial attempt to learn English. The lecture ended with a vote of thanks

from the school student and the principal of the school. Overall, my purpose to visit the school was fulfilled, and it was a great experience to interact with students. Despite the language barrier, they tried to understand and kept on asking questions during the Q&A session.

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

N/A

- Impressions and comments from the lecture assistant (講義補助者の方から、本プログラムに対する意見・感想等がありましたら、お願いいたします。): N/A