

様式 A-1
(FY2023)

2024年 3月 5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: 仙台市立仙台青陵中等教育学校 羽田 憲史
2. 講師氏名: Dr. Mir Tamzid Rahman
3. 講義補助者氏名: なし
4. 実施日時: 2024年3月5日 (火) 13:20 ~ 15:20
5. 参加生徒: 1年生 122人、 2年生 1人、 3年生 1人 (合計 122人)
備考: (例: 理数科の生徒) 普通科生徒
6. 講義題目: バングラディシュの環境問題・酸化物の浄水と二酸化炭素削減に向けて
7. 講義概要: バングラディシュの現状と研究内容について
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 90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
3) 事前学習
☐ 有 ・ ☐ 無 (どちらかに○をしてください。)
使用教材 PC プロジェクター 他
9. その他特筆すべき事項:
・特になし

Form B-2
(FY2023)
Must be typed

Date (日付)
06/03/2024 (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): RAHMAN MIR TAMZID (ID No. P21387)

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

Not Applicable

- Participating school (学校名): Sendai City Sendai Seiryō Senior High School

- Date (実施日時): 05/03/2024 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目): Purifying Progress: Utilizing Technology for Clean Water – A Vital Demand, A Fundamental Right

- 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) 110 min (分), Q&A time (質疑応答時間) 10 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))

Projector

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

I led a class focusing on water purification technology. But before delving into the research-based lecture, I shared some information about myself and gave an overview of my home country, Bangladesh. I split the objectives of my lecture into two parts: first, I talked about personal details and provided an overview of Bangladesh, and second, I discussed research guidelines and my current research. In the personal details section, I talked about my family, hometown, and where I went to school. Then, I compared Japan and Bangladesh, discussing Bangladesh's history, important figures, tourist attractions, different seasons, popular games, religion, and the unique characteristics of Bangladeshi people. Moving on to the second part, I discussed the general motivation for conducting research. I explained the typical steps researchers follow to conduct thorough research until it can be applied industrially. I talked about the various sectors in Bangladesh where many issues need to be addressed through research. Among these issues, I chose to focus on water purification. I explained why surface water is becoming increasingly polluted and discussed different technologies that other researchers have studied to tackle this problem. Taking into account the limitations of previous studies, I presented a new proposal for

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water purification, which is the theme of my current research. I explained how to create a work plan to achieve the research goal and demonstrated how to prepare the proposed material and characterize it. Then, I shared the achievements of my research and presented the results I obtained. Finally, I discussed the procedure for implementing the technology industrially after completing the research. This involved detailing the steps required to transition from research findings to practical applications in the industry.

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

Not applicable

- Impressions and comments from the accompanying person (講義補助者の方から、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。): Not applicable

