様式 A-1
(FY2024)

2024 年　11 月　14 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：福井県立藤島高等学校　小林香織

2. 講師氏名：Dr. Hallo Miroslav

3. 講義補助者氏名：

4. 実施日時：2024 年 11 月 13 日（水）　16:00 ～ 17:00

5. 参加生徒：　1 年生　7 人、　2 年生　25 人、　3 年生　1 人（合計　33 人）
   備考：（例：理数科の生徒）

6. 講義題目：Earthquake Disaster Prevention

7. 講義概要：チェコ共和国の紹介、地震防災

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　70　分　　質疑応答時間　10　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 （どちらかに〇をしてください。）
   使用教材　講師が準備した概要と vocabulary シート

9. その他特筆すべき事項：
   特になし

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Form B-2
(FY2024)
Must be typed

Date（日付）
15 / 11 / 2024 （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）: Miroslav HALLO （ID No. P23070 ）

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

- Participating school（学校名）: Fukui Prefectural Fujishima Senior High School

- Date （実施日時）: 13 / 11 / 2024 （Date/Month/Year:日/月/年）

- Lecture title（講義題目）:
Earthquake Disaster Prevention

- 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） 30 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））
Presentation including sound samples and animations; used projector

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

Before the lecture, all students received printed handouts with a brief abstract in English language and English-Japanese vocabulary of terms used in the lecture. Some students already expressed their interest in specific topics related to seismic safety through the local contact person at the Fujishima Senior High School. Hence, both the students and the lecturer were aware of the content and student interests several days beforehand.

The lecture took place in person at the Fukui Prefectural Fujishima Senior High School on 13 November 2024, from 16:00 to 17:00, followed by an open discussion with students until 17:30. It was delivered as an oral presentation prepared exclusively for this purpose, featuring slides with text in both English and Japanese, images, sound samples, and animations.

The lecture began with an introduction to the culture and science of the Czech Republic and the international environment in Europe. We also discussed the importance of English in science and the lecturer's motivations for becoming a scientist. Next, we covered the basic principles of earthquake phenomenon, local seismic effects, and strategies for earthquake preparedness and disaster prevention. We examined historical earthquakes near Fukui City, the Kumamoto

earthquake in 2016, and the Noto Peninsula earthquake in 2024. Additionally, we explored the environment of planet Mars, using data from the first seismometer deployed on another planet. Based on student requests, we briefly discussed seismic safety at nuclear power plants in Japan. Finally, we looked at the lecturer's ongoing research to evaluate local earthquake ground motions in Japan and how this helps prevent disasters.
During the Q&A time, students asked several questions related to seismic safety in Japan, which the lecturer answered. Their engagement with the topic exceeded initial expectations, showing a strong interest in the subject matter.

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

The lecture was attended by both female and male high school students with a strong interest in science. The communication between the high school representative and the lecturer was smooth and without any problems.

- 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。）:

No lecture assistant was required for this lecture.