

様式 A-1
(FY2023)

2023年 7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: 鳥取県立倉吉東高等学校 教諭 宋 志連
2. 講師氏名: Dr. Seyed ziaeddin MADANI
3. 講義補助者氏名: _____
4. 実施日時: 2023年 7月 7日 (金) 13:20~ 15:20
5. 参加生徒: 1年生 30人、 2年生 1人、 3年生 1人 (合計 32人)
備考: (例:理数科の生徒) 1年生希望者
6. 講義題目: My Journey As a Polar Resercher
7. 講義概要: 講師の自己紹介
講師による質問と生徒たちのグループ活動による回答
 - ・どの国が気候変動による影響を受けないのか(例を挙げて)
 - ・気候変動を私たちがコントロールしないと南極大陸で何が起ころのか
 - ・気候変動により北極で既に何が起きているのか講師と生徒のやりとりによる話し合い
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 110 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)
プロジェクターによる講義及びグループワーク
 - 3) 事前学習
○有 ・ 無 (どちらかに○をしてください。)
使用教材 社会科担当者による調べ学習 講師から提供された資料

その他特筆すべき事項:

講師の講義構成が生徒たちの関心や意欲をかき立て、非常に濃密な学習となった。

Form B-2
(FY2023)
Must be typed

Date (日付)
10 /07/ 2023 (Day/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): Seyed Ziaeddin MADANI (ID No. P20009)
- Name and title of the accompanying person (講義補助者の職・氏名)
N/A
- Participating school (学校名): Tottori Prefectural Kurayoshi Higashi Senior High School
- Date (実施日時): 07/ 07/ 2023 (Day/Month/Year: 日/月/年)
- Lecture title (講義題目):
My Journey as a Polar Researcher

- 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) 90 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))

The lecture was conducted partially in a workshop format in which students were divided into 3 groups, each of which was given a different yet relevant question to think about and discuss within their groups and come up with responses/viewpoints to be further conveyed to the entire class, teachers, and the lecturer by two representatives from each of those groups. The method received effective engagement within the class while enhanced dialogue and understanding of the subject-matter amongst students. PPT slides were prepared in advance and projector was used for the lecture. For those students who had to stay home because of a COVID-19 outbreak in one or two of the classes earlier at school, virtual participation via Google Meet was provided, both during the workshop as well as during the lecture, to have active participation and comprehensive engagement throughout the school.

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.
The lecture addresses science and research on the polar regions (the Arctic, the Antarctic, as well as the recent concept of the 3rd Pole (the Himalayas/the High Mountain Asia)) and Earth system science inclusively, as a global research process, reflecting the longest continuous assessment of Earth's climate, in a transdisciplinary context and methodology of Open Science with sustainable development framing, where natural sciences, social sciences (and where applicable)

SD

※弊会記入欄

Indigenous knowledge intersect with law and policy to produce informed decision-making. With climate warming occurring 4 times faster in the Arctic and 3 times faster in the Antarctic than elsewhere on Earth, it is timely to start thinking and planning about how to engage younger generations within this dialogue/discourse through inter-generational capacities that exist within the society, including particularly the intergenerational capacities available via the JSPS Science Dialogue Program, to inform (high school) students of the rapid and critical changes in the climate and the earth system and their planetary implications across boundaries and generations. This forward-thinking initiative aims to substantively prepare and nurture next-generation talents as well as next-generation leaders for the global challenges ahead in order to plan and reinforce their informed leadership with a realistic and scienced-based global mindset, as crucial elements for good governance.

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

I personally enjoyed the proactive engagement of the students and was impressed by the good level of English literacy of the students of the Tottori Prefectural Kurayoshi Higashi Senior High School.

- 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。): N/A



Teacher: A man in a light blue shirt and jeans, wearing a white face mask, stands on the left side of the classroom, gesturing with his right hand while holding a small object, possibly a remote or a phone.

What do you think has already happened to the Arctic because of the Climate Change?
2022 SUMMER MINIMUM
03:00
Sea ice concentration (%)

座席
最前
前
端

Students: A group of students in school uniforms (dark blue shirts and skirts for girls, dark blue shirts for boys) are seated at desks, facing the front of the classroom. Many have laptops open on their desks. They are all wearing white face masks. The desks are arranged in rows, and the students appear to be listening attentively to the presentation.