

様式 A-1
(FY2024)

令和 6 年 9 月 30 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: 千葉市立千葉高等学校・坂巻 諒一
2. 講師氏名: Dr. Yang Puu-Tai (Ms.)
3. 講義補助者氏名: なし
4. 実施日時: 令和 6 年 9 月 30 日 (月) 13:30 ~ 15:00
5. 参加生徒: 1 年生 48 人、2 年生 52 人、3 年生 0 人 (合計 100 人)
備考: 理数科の生徒、普通科SSHコースの生徒、WSCプログラムの生徒
6. 講義題目: Soil Health and Environmental Sustainability
7. 講義概要: 土壌炭素隔離と肥沃度促進のコベネフィットを探る
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 80 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○をしてください。)
使用教材 講師からの講演要旨・英単語リスト・参考ビデオ、本校サイエンスアシスタントによる1週間前の事前講義
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)
1/10/2024 (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): Puu-Tai YANG (ID No. P23096)

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

- Participating school (学校名): 千葉市立千葉高等学校

- Date (実施日時): 30/9/2024 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):

Unearthing the Secrets of Soil: Journeying Through Soil Science and Scientific Ventures

- 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) 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

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

I first introduced the history, culture, food, and scenery of Taiwan for around thirty minutes. I showed them the complexity and diversity of Taiwan, and gave them suggestions if they have a chance to visit Taiwan. I explained why I choose soil science for the career, and I later gave an introduction to soil science. Firstly, I explained soil formation, soil profile, and how the colors formed in soils. I emphasized the importance of soils and how we should preserve it. I took six types of soils as represents and explained how climate could affect the soil formation. I included the reactions in soils and how they affected soil quality. Lastly, I explained the qualities that are important to become a scientist and the difficult part of doing research. I gave suggestions related to the science career and I showed statistics about the ratio of female scientists around the world and hope to encourage female students to pursue this career if they would like to. During the Q and A session, the students are interested in soil sampling and soil color related to climate. We had roughly fifteen minutes for the discussion, and a few extended questions after the course.

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

The students are a little bit shy in asking questions, and therefore the teachers prepared materials in advance. It was helpful for me to include things they were interested in during the lecture.

- 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。）:



What makes studying soil interesting?

- To see, to touch, to smell
- Diversities (color and history) 多様性
- Unexpected encounters 予想外の出会い

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