

様式 A-1
(FY2023)

2024年 2月 15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: 山梨県立日川高等学校・秋山岳巨
2. 講師氏名: Dr. Bonita McCuaig
3. 講義補助者氏名: _____
4. 実施日時: 2024年 2月 15日 (木) 14 : 00 ~ 15 : 50
5. 参加生徒: 1 年生 37 人、 2 年生 38 人、 3 年生 0 人 (合計 75 人)
備考: (例: 理数科の生徒) SSHクラス所属の生徒
6. 講義題目: How the Microbiome Affects the Host Immune System
7. 講義概要:
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 20 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)
プロジェクターを使用した講義形式
3) 事前学習
☒ 有 ・ ☐ 無 (どちらかに○をしてください。)
使用教材 講師から事前に提供されたパワーポイント資料や研究概要・キーワードに基づくワークシート
9. その他特筆すべき事項:

Form B-2
(FY2023)
Must be typed

Date (日付)

(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): Bonita McCuaig (ID No. **P23735**)
- Name and title of the accompanying person (講義補助者の職・氏名)
NA
- Participating school (学校名): Hikawa High School, Yamanashi
- Date (実施日時): 15/02/2024 (Date/Month/Year: 日/月/年)
- Lecture title (講義題目):
How the Microbiome Affects the Immune System
- 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) 70 min (分), Q&A time (質疑応答時間) 20 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))
PowerPoint Presentation

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.
I gave a brief introduction about some interesting Canadian facts, such as celebrities from Canada, how large the country is, and some popular tourist destinations and travel advice. I then talked about the history of Canada, focusing on information I thought the students would find interesting and would not have heard before. I then told them about my family farm, how I became a scientist and the obstacles that I had to overcome.

The second half of the lecture was an introduction to what the microbiome is and why it is important. I introduced concepts such as beneficial bacterial, cell signalling with cytokines, and how the gut bacteria affect the immune system. I also talked about how the diet changes the bacteria present and can affect a person's health.

The final thing I talked about was about 5 minutes of motivational speaking to encourage the children to continue studying science and some of the personal benefits of a career in science.

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※弊会記入欄

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

I think the students were most interested in the section about Canada, this area is where I recieved the most questions. The science section did touch at least one student who emailed me with some followup questions and advice about pursuing science.

Overall I think this is a very good program and I feel my presentation went well and connected with at least some of the students. It was also nice for me to see a smaller city in Japan and go someplace I probably wouldn't have seen without this program.

- 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。）:

NA

