

様式 A-1
(FY2024)

2024年 11月 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: 静岡県立下田高等学校 風岡慎吾
2. 講師氏名: Pete Bryson KUZMA (さん)
3. 講義補助者氏名: (なし)
4. 実施日時: 2024年 11月 7日 (木) 15:30 ~ 17:00
5. 参加生徒: 1年生 11人、2年生 69人、3年生 人 (合計 80人)
備考: (例:理数科の生徒) 普通科と理数科を問わず講演内容に興味のある生徒
6. 講義題目: 潮汐破壊による銀河系形成
7. 講義概要: 出身国の紹介および自身が携わる研究課題について
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 50 分 質疑応答時間 30 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、質疑応答
 - 3) 事前学習
① ・ 無 (どちらかに○をしてください。)
使用教材 講師から紹介された論文の閲覧および関連動画の視聴
9. その他特筆すべき事項:
生徒の満足度が高く、有意義な時間を過ごすことができた。

Form B-2
(FY2024)
Must be typed

Date (日付)
08/11/2024 (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): Pete Kuzma (ID No. P23765)
- Name and title of the lecture assistant (講義補助者の職・氏名)

- Participating school (学校名): Shimoda High School, Shizoka Prefecture
- Date (実施日時): 07/11/2024 (Date/Month/Year: 日/月/年)
- Lecture title (講義題目):
Globular Clusters and the Milky Way
- 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))
Used projector

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.
My lecture covered two main topics. The first part was a cultural exchange, introducing the students to Australia and many unknown feature and facts about my home country, as asked to by the contact at the high school. I discussed unique australian fauna, introducing more of the unknown creatures that are important to the Australian ecosystem. Additionally, the talk covered the multicultural nature of Australian society, something that I'm proud to say about Australia as a nation.

The second was to discuss my path to becoming an astronomer and to discuss the roles of globular star clusters in the formation of the Milky Way Galaxy. I introduced our current understanding on how the Milky Way formed and how it continues to grow in size by consuming smaller dwarf galaxies. Globular star clusters can survive this process, and I show how studying globular clusters can unveil a lot about not only globular clusters themselves, but about the Galaxy they are formed in, what the universe was like at the time of their formation, and how their evolution and eventual destruction affects the growth of the Milky Way.

Lastly, I was able to share my story on how I become an astronomer and my path to being a JSPS international fellow. I showed students how to become a scientist and the steps they should follow now to realise their dreams of working in science and astronomy.

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

I was impressed with the students engagement and their grasp of english. They asked interesting questions that showed that they were listening, and we had some laughs which is always enjoyable.

- 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。):