

**Form B-2**  
**(FY2021)**  
**Must be typed**

Date (日付)  
19/8/2021 (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) : Caitlin Duncan  
( ID No. P20798 )

- Name and title of the accompanying person (講義補助者の職・氏名)  
No accompanying person

- Participating school (学校名) : Seifu Nankai High School

- Date (実施日時) : 27/7/2021  
( Date/Month/Year: 日/月/年 )

- Lecture title (講義題目) : Science, Artificial Intelligence, and Robotics  
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- 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) 100 min (分), Q&A time (質疑応答時間) 45 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 a projector, used an interactive website during the lecture and students used it during a break in the lecture.

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

Outline of lecture:

- Introduced myself and talked about New Zealand
- "Why study science?" - talked about why studying science is a great career, why I choose to study science, and talked about several Engineers and Scientists I know who all work in different areas. I wanted to show them that there is a place for everyone in science, and show them the many different areas of science they could study.
- My University and University life in New Zealand.
- What I did as a researcher in New Zealand, what I do as a researcher now at Osaka University, and my journey in research
- Talked about Artificial Intelligence:

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- What AI actually means and what it means for a computer or robot to "be intelligent"
- The three different types of AI
- Asked them to talk about the potential good and bad things about AI
- Discussed robotics, some applications of these that can be of benefit to humans, the possibility of robots having emotions, and asked students to think about what they would want robots to be used for in the future.
- Gave a short overview of Machine Learning, showed them computer generated images of cats and people and asked them to vote on which ones were fake and which were real (I think they really enjoyed this) and demonstrated a website they could use to build their own AI.
- After the lecture I had time to stay for awhile to chat to students and the teachers, and I got to watch as several of the girls tried to train an AI to recognise illustrations of different characters in a book, which was very fun!

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

- 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。 ):