Web 掲載用

SD4611

※弊会記入欄

（学校用）

様式 A-1

(FY2025)

2025 年　6 月 25 日

サイエンス・ダイアログ　実施報告書

1. 学校名：愛知県立瑞陵高等学校

2. 講師氏名：Dr. Shalini Nagabooshanam

3. 講義補助者氏名：　金森耀平　様

4. 実施日時：　2025 年　6 月 17 日（火）　13:15 ～ 15:05

5. 参加生徒：　2 年生 40 人（理数科の生徒）（合計 40 人）
   備考：（例：理数科の生徒）

6. 講義題目：Invisible Labs: How Nano Sensors Bring the Clinic to You

7. 講義概要：インド・タミルナドゥ州の文化、キャリア形成、研究内容

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　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）
      プロジェクタ使用による講義、演示実験

   3) 事前学習
      ☑有 ・□ 無 （どちらか選択ください。）
      使用教材：講師から事前に送っていいただいた講義要旨の講読

9. その他特筆すべき事項：
   生徒と対話しながら講義をしていただきました。ただ話し続けるのではなく、生徒の様子を見ながら問いかけなどもしていただき、内容がよく伝わったと思います。また、演示実験も実施していただき、生徒は興味津々でした。

Form B-2
(FY2025)
Must be typed

Date（日付）
18/06/2025 （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）: Shalini Nagabooshanam （ID No. P24366）

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

- Participating school（学校名）: Zuiryo High School, Nagoya

- Date （実施日時）: 17/06/2025 （Date/Month/Year:日/月/年）

- Lecture title（講義題目）:
Invisible Labs: How Nano Sensors Bring the Clinic to You

- 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） ~ 95 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 and conducted experiments

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

Part 1: I started my presentation by introducing myself and the country of my origin. I started asking whether they have been to India or any other country to get know their experience. Then I was talking about the Indian tradition, language and culture. I also pointed the rich cultural similaries between India and Japan. I talked about the traditional food of India. The I gave my professional introduction stating from where I got motivated to pursue research career.
Part 2: I started with some bascis like what is Nano, ion/atom etc. I slowly introduced some technical content in simpler manner. Then I explained the basics with a fun experiment with chemical garden. Explained the concept of ionization, electrochemistry and sensors.
Part 3: From the basics, I moved to my research work to explain what I research about. The importance of my present reserach work in nanobiosenors to detect cancer and other diseases. I explained how the point-of-care sensors help to bring clinic to home.
Part4: Finally, I spoke about the importance of global language and how it will help to further enhance their knowledge. I shared my own journey and experiences as a researcher to motivate the students to pursue carreer in science.

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

I prepared the slides as simple as possible with lots of figures and illustartions. I also included Japanese translations where ever necessary to make them understand the concept. I made a fun experiments, shared fun facts and quizes to keep them engaged and interactive. Students were also actively listening to the lecture and interested to know more about my culture. To my suprise, few students English language and their understanding was too good. My lecture assistant helped me to translate difficult things when ever needed to make the students understand efficiently. Students were also brilliant in anwering the quiz and enjoyed the experiments which I performed with lot of enthusiasm. Teacher, was very supportive from the begining and I did not face any issue and everything went very smooth. I really enjoyed the time with students.

- 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。）:

He was impressed by the students attitude and their open-mindedness to know about other culture and science.