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SD4737

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（学校用）

様式 A-1

(FY2025)

2026 年　1 月　29 日

サイエンス・ダイアログ　実施報告書

1. 学校名: 三重県立川越高等学校

2. 講師氏名: Dr. Prashant DUBEY

3. 講義補助者氏名:

4. 実施日時: 2026 年 1 月 26 日（月）　13 : 40 ～ 15 : 20

5. 参加生徒:　2年生 38 人、　年生　人、　年生　人（合計　人）
   備考:国際文理科・理系の生徒 （例:理数科の生徒）

6. 講義題目: How I became a scientist

7. 講義概要: 講師の研究者としての来歴、研究内容、大学・研究職について

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 40 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 （どちらか選択ください。）
   使用教材:

9. その他特筆すべき事項:

For Web posting

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Form B-2
(FY2025)
Must be typed

Date（日付）
28/01/2026 （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）: Dr. Prashant Dubey （ID No. P25057）

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

- Participating school（学校名）: Kawagoe High School, Mie

- Date （実施日時）: 26/01/2026 （Date/Month/Year:日/月/年）

- Lecture title（講義題目）:
Porous Materials: Building the Future of Clean Energy

- 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） 60 min（分）, Q&A time（質疑応答時間） 60 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））
Projector

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

The lecture was organized to introduce high school students to the importance of science, international education, and sustainable energy technologies through a combination of personal experience and scientific topics. The talk began with an overview of the speaker's academic journey from India to Japan, which served as an example of how curiosity, continuous effort, and international cooperation can shape a career in research. Through this introduction, the lecture emphasized the importance of having clear goals, remaining open to new challenges, and understanding the role of science in everyday life. It was highlighted that science is not limited to laboratories, but is deeply connected to modern society, including electricity, transportation, communication, healthcare, and environmental protection.

The lecture also stressed the importance of learning English as a global language. English was presented as an essential tool for accessing knowledge, communicating with people from different countries, and participating in international research and academic activities. In this context,

students were encouraged to view language learning as an important step toward expanding their future opportunities.

A major part of the lecture focused on green energy and energy storage technologies, particularly batteries, which are crucial for the effective use of renewable energy sources such as solar and wind power. The concept of energy storage was explained in simple terms, emphasizing that because renewable energy is not always available when needed, storing energy for later use is essential for building a sustainable society. The role of porous materials in supporting the development of next-generation energy technologies was also briefly introduced.

In addition, the lecture referred to Professor Susumu Kitagawa and his Nobel Prize in Chemistry in 2025, noting that this achievement represents a proud moment for Japan and serves as a strong inspiration for young students to pursue science and research.

After the lecture, an interactive question-and-answer session was held with the students. Many students asked questions not only about science and research, but also about the daily life and culture in India. During this interaction, aspects of Indian culture and daily life were introduced, creating a friendly and engaging atmosphere and promoting mutual cultural understanding.

Overall, the lecture aimed to motivate students to remain curious, to value education, and to recognize science as a powerful tool for creating a more sustainable and internationally connected future.

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

- 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。）:


名古屋大学
NAGOYA UNIVERSITY