

Form B-2
(FY2022)
Must be typed

Date (日付)
16/06/2022 (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) : Rigon Gabriel. (ID No. P20804)

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

none

- Participating school (学校名) : Zuiryo High School

- Date (実施日時) : 15/06/2022 (Date/Month/Year:日/月/年)

- Lecture title (講義題目) :

From supernova remnant to laboratory experiments - A short story of high energy density hydrodynamic -

- Lecture format (講義形式) :

◆X 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) 75 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))

used projector - only presentation and discussion

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

In my lecture, I went through 4 major parts. First I introduced, the country I came from, France. I took some time to perform a short comparison between France and Japan: food culture and castles, whose architecture is different.... Then I explained the steps to becoming a researcher by talking about the university and its differences from high school. I followed this with an explanation of the work of a researcher: knowledge creation and diffusion.

After that, I talked about physics and explained the different sub-fields of physics. I gave some examples of questions raised and answered by physicists. I explained my reason to choose to study this field and become a researcher in physics.

Finally, I told the story of our universe starting from the big bang, the creation of the stars, their life evolution, and their death named supernova. I talked about the interest of astrophysicists in studying supernova remnants. I also showed some of my work while keeping it rather basic. For instance, I showed some simulations and explained my work around them. I also talked a bit

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about laser experiments, which can be used to answer some questions of astrophysics.
The lecture concluded with the question of the students.

◆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。) :