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SD4785

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（学校用）

様式 A-1

2026 年 6 月 3 日

サイエンス・ダイアログ　実施報告書

1. 学校名: 岩手県立釜石高等学校

2. 講師氏名: Dr. Renaldo Christophe, Josue, Rene GASTINEAU

3. 講義補助者氏名: 向田　祐翔

4. 実施日時: 2026 年 5 月 27 日（ 水 ） 10 : 35 ～ 12 : 15

5. 参加生徒: 2 年生 36 人、 年生 人、 年生 人（合計 36 人）
   備考:（理数科の生徒）

6. 講義題目: 青森県沿岸の湖沼堆積記録による高解像度津波履歴

7. 講義概要:

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 70 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: slides

9. その他特筆すべき事項:

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Form B-2

Date（日付）28/05/2026

Must be typed

Activity Report -Science Dialogue Program-
（サイエンス・ダイアログ 実施報告書）

1. Fellow's name（講師氏名）: Renaldo GASTINEAU -レナルド ガスティノ（ID No. P25757）

2. Name and title of the lecture assistant（講義補助者の職・氏名）: Yuto MUKAIDA - 向田祐翔
Master student at the Graduate School of Engineering, Tohoku University.

3. Participating school（学校名）: Iwate Prefectural Kamaishi High School

4. Date （実施日時）: 27/05/2026

5. 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） 90 min（分）, Q&A time（質疑応答時間） 10 min（分）
◆Lecture style（e.g. 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））: Using projector

6. Lecture title（講義題目）:
Plate tectonics and earthquakes: how to record them in lakes and why?

7. Lecture summary（講義概要）: Please summarize your lecture within 200-500 words.
The first part of the session (15 minutes) consisted of a self-introduction aimed at discussing the differences between France and Japan in terms of geography, culture, and educational systems, followed by an exchange with the students on these topics. I think this helped break the ice, especially by asking them what they already knew about France etc.
The next 45 minutes focused on geodynamics and understanding where and why earthquakes occur around the world. I explained why some earthquakes generate tsunamis while others do not, and how people should react when they happen. We also discussed early warning systems, the different types of seismic waves, and how earthquake magnitude and intensity are defined.
The final 30 minutes were dedicated to explaining why it is important to better understand the recurrence of past earthquakes and tsunamis, and how geologists study them. I presented one of the studies I conducted in Türkiye during my PhD, using lake sediments as archives of paleoseismicity.
The conclusion highlighted why science is important, why teamwork and learning English are essential nowadays, and why being open to the world is important for learning from other cultures.

8. Other noteworthy information（その他特筆すべき事項）:
I was expecting the students to be very shy, but thanks to their English teacher, they prepared

beforehand and were happy to talk and participate. I really appreciated this moment with them, and I think they enjoyed it as well.

9. 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。）:
It was truly meaningful to give lectures on plate tectonics, seismic motion, and tsunamis to the students of Kamaishi High School. The students continuously tried to ask questions in English, and I was impressed by how motivated they were to learn. It was also a very valuable opportunity for me to participate in supporting the program as a fellow.

釜石高校の生徒に対してプレートテクトニクスや地震動、津波に関する講義を行えたことは実に有意義だった。生徒たちも英語での質問に挑戦し続けていて大変意欲的に学ぼうとしていて感心した。フェローとしてのサポートに参加できて大変良い機会となった。


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