

(For JSPS Fellow)

Form B-2
(FY2018)

Date (日付)

30 / 10 / 2018 (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): Alessandro Trani (ID No. P17766)

- Participating school (学校名): Utsunomiya Girl's High School

- Date (実施日時): 15/10/2018 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): The Universe is Spinning

- Name and title of your accompanying person (講義補助者 職・氏名) None

- Lecture format (講演形式):

Lecture time (講演時間) 30 min (分), Q&A time (質疑応答時間) 15 (分)

Lecture style (ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

Projector + Videos + Experiments

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

The Earth spins around itself every 24 hours. The Moon revolves around the Earth every 28 days. However, both Earth and Moon revolve around the Sun once a year. And at the same time, the entire solar system follows the Sun in its journey around the Milky Way. Why so many rotations in the Universe? And what is keeping the Earth orbiting around the Sun, without making it fall into it? All this is the consequence of a universal law of physics, termed by the physicists as "conservation of angular momentum". Despite its complex name, you can experience this law of physics in everyday life: in fact, it's the principle that keeps your bike spinning!

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

Be interactive and involve the students as much as possible. Include Japanese words in the presentation

- 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。)