

Form B-5

Date (日付)

31.October (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): Craig Barnett (ID No. P11701)
- Participating school (学校名): Ichikawa Gakuen Ichikawa Senior High School
- Date (実施日時): 17 October, 2011 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) How studying life, the universe, and everything can help you
(in Japanese)

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

My lecture was divided into three parts. In the first section, I introduced myself and talked a little about my research interests in biology. I then talked about why science is fun and important in society and how science can help increase international understanding before I outlined why learning English is important if students are going to pursue an international career in science. In the second section, I talked about evolution and population biology and some of the mechanisms that are responsible for evolution. I then talked about evolution on islands and why islands are important for the study of evolution. At this point, I stopped the lecture and conducted a small activity with the students where we sampled different coloured sweets in order to show how random sampling can affect gene pools and how this can influence evolution on islands. I then pointed out some of the similarities of the wildlife between New Zealand and Japan and gave some examples of adaptive radiation in these countries. In the final section, I talked a little about some of my research findings which included the fact that I found that New Zealand robins can recognise individual humans, but that this ability was also related to the bird's personality type. Birds that were not able to recognise different humans tended to attack prey very quickly. This indicates that these birds might form routines quickly and not focus on details. Other birds were able to recognise humans and these individuals tended to be slow at attacking prey. This indicates that these slower birds might have been detail oriented birds which paid attention to the details of the experiment. This study also introduces the possibility that personality is important in the study of animal cognition which has previously not been considered.

- Language used (使用言語): English.

- Lecture format (講演形式):

◆Lecture time (講演時間) 55 min (分), Q&A time (質疑応答時間) 15 min (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))

Laptop computer and Projector

◆Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

Not applicable (NA)

◆Name and title of accompanied person (同行者 職・氏名)

NA

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

NA

- Impressions and opinions from accompanied person (同行者の方から、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。): NA