

TPD - Mr. Yuji OTSUKA



Mr. Yuji OTSUKA is a Specialist in Science Education of the Training Programme Division (2019~). He had been in charge of Science Education (Physics) in High-school more than 30 years in Japan. During the times, He was engaged in Super Science High School (SSH) Project organized by the Ministry of Education (2005 – 2009), and conducted “Research on Teaching Methods for Encouraging Motivation to Learn Science” at the Doctor Course, Hiroshima University(2003 – 2006) , engaged in preparatory education on physics for Malaysian students preparing to study in Japan at Malaya University in Malaysia(1994 –1995), JICA Long-Term Expert on Science Education (Project for Improving Science and Mathematics Education in Ghana (2000 – 2002), JICA Senior Volunteer on Science Education in Papua New Guinea(2010 –2012)and JICA Senior Volunteer on Science Education in Malaysia(2016–2019).

Qualifications and Expertise

(Qualifications)

1. Doctor course in Division of Educational Development and Cultural Regional Studies, Graduate School for International Development and Cooperation, Hiroshima University (Completed without Doctor Degree)(2003-2006).
2. Master degree of Science (Physics: Nuclear Physics), Graduate School of Science, Hiroshima University (1982-1984).
3. Master degree of Science (Physics: Magnetics), Graduate School of Science and Engineering, Kagoshima University (1980-1982).
4. Bachelor of Science (Physics), Faculty of Science, Kagoshima University (1976-1980)

(Expertise)

1. Physics (Nuclear Physics, Magnetics)
2. Science Education (Physics)
3. Development Education

Overseas Work Experiences

1. Malaya University (Malaysia) (A.A.J Lecturer/Physics: dispatched by Ministry of Education of Japan 1994-1995)
2. Short term-Teacher's Training in Europe (Austria& France) (Dispatched by Ministry of Education of Japan: 1995)
3. JICA-Ghana Teacher's Education Division Project for Improving Science and Mathematics Education (Ghana) (JICA Long-Term Expert on Science Education: 2000-2002)
4. Research on SMASSE-Project for Science & Mathematics Education (Kenya) (2001)
5. Science Research activities in Yellowstone National Park (USA) (Super Science High-School Project: dispatched by Ministry of Education of Japan: 2007, 2008)
6. Divine Word University (Papua New Guinea) (JICA Senior Volunteer for Science Education: 2012)
7. SEAMEO RECSAM (Malaysia) (JICA Senior Volunteer for Science Education: 2016-2019)

Awards and Recognitions

1. "Distinguished Teacher Award" given by Ministry of Education of Japan to the excellent performance on Super Science High-School Project (2008).
2. "Distinguished Teacher Award" given by Board of Education of Oita-Prefecture in Japan to the excellent performance on Science& Mathematics Education (2009).

Published Work

1. Report of Short-term Teacher's Training in Europe "Educational System in Austria &France" (Ministry of Education of Japan 1995)
2. Report of Science Research Activities in Yaku-Island in Japan on Super Science High-school Project (Ministry of Education of Japan 2007)
3. Report of Science Research Activities in Yellow Stone National Park (USA) on Super Science High-school Project (Ministry of Education of Japan 2007)
4. Report of Science Research & Development of Super Science High-School Project (Ministry of Education of Japan 2006-2010)
5. Report of International Information Education on Super Science High-School Project (Ministry of Education of Japan 2008-2010)

Activities on Official Duties (2019~)

1. Facilitated-Short Course on Enhancing Primary Mathematics Learning in the STEM Environment (11~29 March 2019)
2. Facilitated-Workshop on Useful "10 Minutes Teaching Aids" using Local Materials for Effective Teaching and Learning of Science(8~9Apr. 2019)
3. Facilitated-RC-SS-143-3: Purposeful Assessment in Secondary Science Classrooms (1~26 Apr.2019)

4. Facilitated-Workshop on Active Learning through STEM using Low Cost Materials for Student from MARA Junior Science College, Pengkalan Hulu, Perak(20~21 June 2019)
5. Facilitated-Short Course on 'Enhancing Active Learning through STEM Education' for Kanchanapisek Wittayalai Nakhon Pathom School, Thailand (29~31 July 2019)
6. Facilitated-Workshop on Effective Inquiry-based Learning in Science Lesson (15~16 Aug.2019)
7. Facilitated-RC-PS-144-1: Inquiry-Based Learning in Primary Science Education
8. Facilitated-Short Course on Developing 21st Century Skills through Science, Technology, Engineering and Mathematics (STEM) for Benchamaracharungsarit 2 School, Thailand (7~11 Oct.2019)
9. Facilitated-Short Course on Learning Science and Mathematics through Inquiry Approach for Datdaruni School, Chachoengsao, Thailand (13~18 Oct.2019)
10. Facilitated-8th CosMEd 2019(12 Nov.2019)

Activities and Contributions Outside Official Duties (2019~)

1. Facilitated-Community Science Workshop (Penang: 25 May 2019)
2. Facilitated-Penang STEM Study Contest (24 Aug 2019)
3. Facilitated-ICETD2019 (International Conference on Education and Teacher Development) (24~25 July2019)
4. Facilitated-Workshop for SK Pokok Sena(8 Aug.2019)
5. Facilitated-Bridges Colloquim for Mentors at Guimaras State Colledge in Philippine & MOU with ILOILO science and Technology University & Regional Management Commitee (25~30 Oct.2019)
6. Facilitated-Philippine In-Country Corse 2019 (18~22 Nov.2019)