Japan Geoscience Union Meeting 2011
(May 22-27 2011 at Makuhari, Chiba, Japan)

GSU021-01 Room:301A Time:May 22 10:45-11:00

The practice report of the Subject ”Fieldwork on the Environment ” , utilizing SPP

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Sagamihara Seiryo High School of Kanagawa Prefecture performed the Science Partnership Project (SPP) in 2010, joined with JAMSTEC, Sagamihara City Museum and Kanagawa Prefectural Museum of Natural History. This project focuses on the ” Geology of Local and Marine”.

This report is the hope you’ll try to focus on two things.
- Teaching practices with accreditation, in cooperation with research institutions
- Through the study , contribute to advanced science and the community

Keywords: SPP, Contribute to the community, Geology of Local and Marine

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GSU021-02 Room:301A Time:May 22 11:00-11:15

The New Style of Teachers Training - The Training of Geoscience for High School Teachers of Kanagawa -

Yasushi Obi[1*], Kiyoyuki Takashima[2], Yoshinobu Tanaka[3], Shinichi Yamashita[4], Nobumitsu Aihara[5]

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Japanese abstract only

Keywords: Training for High School Teachers, Research Institutes, Museum, Regional Alliances

Japan Geoscience Union Meeting 2011
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GSU021-03 Room:301A Time:May 22 11:15-11:30

Public symposium on earth science education toward preservation of subject of earth science in high school

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The Japan Association for Quaternary Research held a public symposium on earth science education in June 2010, jointed by three educational and two academic societies, to preserve the subject of earth science in high school under the new course of study. Contents of the symposium comprised mainly four divisions; (1) the history of earth science education after the World War 2, and outline and construction process of the new course of study of science, (2) features of earth science education from the viewpoints of science and technology educations, (3) current subjects on earth science education in elementary, secondary and higher educations, (4) future perspective on earth science education. These contents will be summarized in a special issue published by the Japan Association for Quaternary Research in April 2011.

Keywords: Japan Association for Quaternary Research, between-society cooperation, earth science education, subject education, course of study, high school

Japan Geoscience Union Meeting 2011
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GSU021-04 Room:301A Time:May 22 11:30-11:45

Recognition and solution of instruction ability on Earth Science field of elementary science education of the university

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(Japanese summary only)

Keywords: Earth Science education, Training of teacher, University student, Science for high school student, Questionnaire

Japan Geoscience Union Meeting 2011
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GSU021-P01 Room:Convention Hall Time:May 22 14:00-16:30

Production of ”The guide book of the earth science in the Hino area” by the earth science club of Hino high school

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Japan Science and Technology Agency (JST) have begun The science club activity advancement project of junior high school and high school students (SCAAP) to make the youth’s science club activities active.

The earth science club of Tokyo metropolitan Hino high school will make ”The guide book of the earth science in the Hino area” by this support.

The guide book consists of five items like the sky observation, geographical features, geological features, the rivers and the weather of the Hino area.

The earth science club member of high school can acquire various knowledge of Earth science by the process of the production of the guide book. And this project aims to foster the attitude for which the earth science club member of high school searches in a scientific manner.

Keywords: high school, earth science club, guide book of earth science, Hino area, natural history, JST

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GSU021-P02 Room:Convention Hall Time:May 22 14:00-16:30

Specific Scientific Thinking for Subject Geoscience

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Among four subjects in science, physics, chemistry and biology and
geoscience, there is important difference. The field covered by geoscience, compared to other science subjects, require large-scale time axis and macroscopic spatial tempered intuitive thinking with general decision.

The actual method is of inquiry subject to analytical thinking based on geochemistry and geophysics. Here, I want to emphasize the importance of a strong sense of exploration of nature, that is, intuitive thinking and comprehensive way to pull handgrip and conclusions when exploring issues. In dealing with natural phenomena in geoscience, the temporal and spatial size, which cannot be brought to the laboratory intact in terms of the complexity of the phenomenon, is difficult to understand simply by thinking approach of the physical and chemical analysis. Actually when observing this phenomena in the field, in addition to intuitive thinking,
comprehensive thinking is also necessary to examine the limits of available materials.

In this study, the essential of subject geoscience will be discussed through the recent exploration of the Hayabusa work.

Keywords: Science, Geoscience, intuitive thinking, general decision, HAYABUSA

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Educational Practice for Volcanic Disaster Mitigation by using Hazard Maps

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Many hazard maps for natural disasters caused by earthquakes, volcanic activity, flooding, and landslides are published by almost all local governments in Tochigi Prefecture. However most residents and school students are unconcerned about disaster mitigation systems except at the time of real disasters, the purpose of present study shows the practical plans of educational trainings for school-students to learn effective mitigation systems by various natural disasters associated with natural and social environments of the specified resident area.

Keywords: natural disaster, disaster mitigation, hazard map, educational training