

Japan Geoscience Union Meeting 2011

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

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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

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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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GSU021-P03

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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