

## A Practical Example of Composite Field Study Program in Mt. Fuji: Geosciences and Arts

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In FY2004 and FY2008 the classes of the Faculty of Education at Ibaraki University "Field works on geology" were carried out at/around Mt. Fuji. In addition to the viewpoints of Earth Sciences, it also has contents of abundant artistic standpoints, and a measurement of the bidirectional educational effects between Earth Sciences and Art was aimed at. In these classes, from the planning stage, science teachers and art teacher are working closely together in addition to pedagogy teacher.

Specifically, we focused on how the experiences of sketches of the landscape affects the field observation in abundance of viewpoint and their deep understanding. Also, at before and after these classes, 1) to express the image of Mt. Fuji at that time, 2) to appreciate the paintings of Mt. Fuji and write out the information that can be read from there, were carried out. They were a clue to know how the student's understanding changed. In addition, reports and impressions submitted by the participating students were used as materials for achieving the classes.

In recent years, some studies are raising doubts on the effect of sketches in class. However, as results of the classes, at the university students' level, large number of positive effects corresponding to the time and energy spent sketching seems to be obtained. In addition, it was suggested that the experience of observation at the site provides various new and concrete viewpoints for appreciation of paintings.

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