

Japan Geoscience Union Meeting 2011

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

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GEJ020-03

Room:301A

Time:May 22 09:30-09:45

Management of One-Day Geological Trip for Highschool Students More Than a Decade.

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During more than a decade, we have managed one day geological trip for 10th grade high school students as a part of geosciences classes. This report describes the details of our exercises. The field is located close to Sobura village in Kaizuka city, southern Osaka prefecture. Our students are divided into ten members groups, which are led by science teachers of our school.

The basic geology of this area has two main structures, a Mid-Cretaceous volcanic basement and overriding Late-Cretaceous sediments named "Izumi group". Therefore the students can study both igneous and sedimentary processes through the trip. Also they can examine sampling rocks and measuring strikes and dips in order to construct a geologic chart.

19 geological outcrops are located and they consist of unconformity, faults, joints, various sedimentary structures, key beds, a few fossils and interesting landscapes such as v-shaped valley or alluvial river terraces. In this area, the strata of the Izumi group are composed with the lowest base conglomerates, sandy conglomerates, thin acid tuff layers as a key bed and upper mud stones containing a few ammonites and bivalves indicating the Hetonai epoch, the latest Cretaceous.

Led by science teachers, the student groups can enjoy their trips by walk about 6-hours. A guiding manual is employed for non-geology majored teachers.

Our school's geological trip has been carried out for over 30 years, however some outcrop conditions are getting worse in recent years, and also the geological interpretation of a few outcrops are somewhat changed with modern stratigraphy.

In spite of the above mentioned problems, the trip area is rather compact and is quite suitable for students study as a whole.

Finally the students complete their reports with their unique characteristics.

Keywords: geological trip, Izumi group, unconformity, faults, fossils, high school