

Tsukuba-City junior high school science teaching improvement seminar by Geological Museum

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The earth science education has been made light of in science education. It is hard for the teacher of the junior high school to teach earth science. The Geological Museum has many teaching materials for example rock samples, exhibits scientific experiments and so on. The Geological Museum has the know-how to make use of in education.

The teachers don't know an outcrop suitable for outdoor training. They have few experiment teaching materials. We performed the training about how to teach earth science.

The training in the Geological Museum

We were aimed at that teachers could use exhibits for teaching materials. We discussed about problems on teaching earth science.

Field trip

We went Mt. Tsukuba for field trip. It is important that teacher experiences outdoor training and teaches it on their experience.

Science experimental study

We performed the 6 experiments, volcanic eruption, to make a replica of the fossils, Suna-Henge (an experiment that use an angle of repose of the sand), Ekijocker (a experimental bottle of the soil liquefaction), and musical sand experiment.

Conclusion The story content of the researcher is difficult for a teacher. But, it seems that constant logic was possible about future earth science education. I wish I make use of result of this training in classes. In the announcement, I argue about result and problems of this training.