

## Field trip and its effects at Byobugaura for elementary 6th grade in Choshi

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Choshi city has a basic education policy (drawn up in February 2016) to encourage the creation of citizen's sense of culture by promoting the activities of Choshi Geopark, and they facilitate school education for students to be able to grow with pride in their hometown. In response to this, Choshi City has guidelines on school education (2016 edition) that there should be hometown learning which utilize the characteristics of the schools and the local areas through learning support of Choshi Geopark in the form of field trip outside the school.

At the Choshi Geopark Promotion Council, in February 2016, we provided support in the form of field trip to Byobugaura for 6th grade students in Choshi City. After that, we conducted a questionnaire survey on how effective the learning support for children through this field trip learning. This is to report the result of this questionnaire survey.

The content of the support was based on a chapter called "Formation and change of land" of science used in the elementary schools in the city. As for the support method, while the students have field trip to Byobugaura, a geologist who is one of the authors explains the outline of the formation and change of Byobugaura. The certified geo-guide of Choshi Geopark Promotion Council also explained more specific phenomena and other information in relation to the geopark. The support time is basically one hour. After every field trip, we handed out questionnaires to the teachers and asked them to let students fill in the questionnaires. There are totally 459 elementary school children in Choshi city and we collected 396 questionnaires. Likewise, I asked the teacher to fill in the questionnaires. The collected questionnaire was input in a PC and statistical processing was performed. In addition, we also analyzed word occurrence frequency, co-occurrence network using free text mining tool.

As a result, it can be considered that learning support of Byobugaura for the 6th grade elementary school students at could have contributed to the fact that the students become more proud of their hometown.

Keywords: Choshi geopark, local learning, science, Byobugaura Cliff, questionnaire survey