Let’s make Shikaribetsu lake by yourself: geopark lecture in Shikaoi elementary school

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The lecture of the name “Let us make the Shikaribetsu lake by yourself” was performed to a total of 183 children of the Shikaoi elementary school and other schools in the Shikaoi-cho geopark concept area.

<The outline of the lecture>

- the central resources of the Shikaoi geopark concept is the Shikaribetsu lake which is dammed up by lava domes.
- Therefore, the main aims of the lesson were set at the point “understanding the formation process of the Shikaribetsu lake with feelings.”
- Geographical feature of the valley system before the domes was made from papier-mache. Lava domes was made from the dentistry impression material. Then water is poured into the depression by valley and the domes.
- The composition of a lesson is as follows.
- The lecturer first outlines the magma and the volcano.
- Next, formation process of the Shikaribetsu lake is explained briefly, and then an experiment is started.

<Questionnaire>

- About 5 minutes were used to fill up the questionnaire sheet.
- The three questions were set up in order to obtain degree of comprehension about the contents of the lecture.
- The next three questions are for knowing intelligibility, pleasure of the lecture, and the intelligibility of the formation Process of the Shikaribetsu lake, respectively. And the last question is a comment. Questionnaires were collected from all the students who participated in the lecture.

The result of a questionnaire:

- Question, Do you understand the lecture?: over 90 percent of children answered “I understand the lecture” or “I understand the lecture very well”

- Question, Was the lecture pleasant?: 80 percent or more of the child has answered that It was very pleasant.
- Question, Do you understand how the Shikaribetsu lake was formed ?: 45% for the fourth grade children answered that they understood the lecture very well. For the 5th and 6th grade children, it was about 70 percent.

Keywords: geopark, Shikaoi geopark, Experiment, Lava dome