

Indoor training of geological mapping using analog models

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The three-dimensional analog models are used for indoor training of geological mapping, as it is considerably difficult to understand geological map for almost students learning geology. There are few expenses to make analog models with Styrofoam and can distribute it to all the students. Students can understand the basics of the geologic map easily when they use an analog model before learning geometry on a two-dimensional map. I will introduce how to make the analog models and the state of the class.

Keywords: outreach, earth science, geology, educational promotion

Environmental Education in University and the Role of ESD

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The Rio Summit (UNCED 1992) adopted Agenda 21 to achieve sustainable development in the 21st century. Economy, society and environment were mentioned as components for sustainable development. Reports in the Johannesburg Summit (2002), ten-year review of Agenda 21, revealed that the goals laid out in Rio were still a long way from becoming reality. The Japanese government and NGO proposed a Decade of ESD (Education for Sustainable Development).

These environmental visions of the world have an influence on conscious formation to education to a seminar participant. Though the student belongs to the faculty of liberal arts department, a school of business administration, consciousness about the environment is very high. Since putting it in the university seminar, I worked on the APT reception in NOAA satellites, building of the AVHRR receiving system, CO₂ measurement in close residential space and measurement of ultraviolet rays. The understanding about ESD, for example influence and choice of a seminar theme is studied by a questionnaire.

Keywords: environmental education, ESD, sustainable development, seminar