

Volcanic Hazard Education Using Hazard Map: an example of the Asaka Reimei Highschool in Koriyama, Fukushima

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A hazard map can be utilized as a means of mitigating natural disasters. They are useful for assessing future volcanic disasters which are difficult to evaluate or forecast. From the viewpoint of disaster prevention education, the role of the hazard map has come attract attention. In recent years, disaster prevention education at junior and senior schools has been provided from different angles. Hazard maps are used in these schools, especially in the geography and earth science lessons.

In this study, authors did a questionnaire about the what the students learned about the volcanos and volcanic hazard map in the earth science lesson. The questionnaire was done in December 2017, in the Asaka Reimei Senior High School in Koriyama City, Fukushima, Japan. According to the results of the questionnaire survey, most of the students are from Koriyama city. The nearest volcano to their hometowns is the Adatara volcano. In the hazard map of the Adatara volcano, areas of potential hazard that may result from the future eruptions are limited in the Motomiya city, Otama village, and small part of Koriyama city. However, many students thought their houses may damage from volcanic eruption. In utilizing the hazard map in the school lessons, it is important to connect it with the contents of student's study. The hazard map can give a real feeling about a disaster, so it is important to use the local hazard maps where students live as teaching materials.

Keywords: Hazard Map, Disaster Prevention Education, Fukushima, Mt. Adatara, Basic Earth Science , Senior High School