

## Learning about disasters in excursion to Kyoto, 1

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In this presentation, we discuss possibilities that we could use excursions to Kyoto as opportunities to learn about earthquake disasters.

In the last few years, we have become increasingly aware that it is important to learn about natural disaster and disaster mitigation. Disaster is a composite subject that includes human, social and scientific aspect, and should be taught as an integrated subject. Each disaster is different, and is a local phenomenon, and in learning about the past disasters we should also learn what kind of local factors are behind them. This means we are obliged to prepare programs for disaster education at each occasion separately.

We argue that school excursions to Kyoto can be utilized to learn about disaster and disaster mitigation. Kyoto is one of the most popular destinations for excursions. In her long history, Kyoto has experienced many disasters. Adding some education materials to the commonly used sightseeing guides, we can make excursions to Kyoto another occasions to learn about natural disasters. There are several popular tourist attractions in Kyoto that are also popular among the students and sightseers, and some of these attractions are also the sites of past disaster. We discuss how excursion to Kyoto can serve as opportunities to learn about disaster at these sites.

Keywords: disaster education

## Some practices of teaching Basic Earth and Planetary Science through "Experimental workbook of Geoscience and Astronomy"

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In 2012 a new course of study at high school was launched. Since then the class of the new subject titled "Basic Earth and Planetary Science" has begun. Dealing with history, constitution of the universe and the earth, this subject are expected to take as few classes as possible. It needed the necessity of some ingenuities to save time when teachers use "Experimental workbook of Geoscience and Astronomy" from Saitama in class. This paper reports on some practices of teaching "Basic Earth and Planetary Science" at Fukaya dai-ichi high school last year.