

## Reports of geoscience performances using picture books and their problems

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There are many science performances for children. However, many performances are only interesting and children cannot understand them scientifically. And, though there are many groups to read books for children, they don't want to read scientific books as they are not familiar to these books.

But, after science performances written in the picture book were taken, children became to listen all pages of the picture book.

I am a member of 'Honto-Honto' which has science activities using picture books. I want to introduce three samples about geoscience performances with picture books.

### 1.'Break Rocks'

Children crush rocks to small particles and compare it with sand of child park using microscope. Picture book is 'Let's go rock collecting'(Riblio Book Co.).

### 2.'Mt. Fuji'

Children make a three-dimensional miniature using clear plastic sections in which contour lines are written. Book is 'Walking Mt. and Moving Mt.'(Doshinsha)

### 3.'Large Universe'

Children experience the real sizes of many things, such as human, whale, pyramid, earth, Moon, Sun, Planet, Galaxy and Universe using miniature and ropes. Book is 'Is there any materials larger than a blue whale?'(Hyoronsha).