

Advanced Education Curriculum for the Early Earth Education

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Some episodes of early earth history provide the essentials of earth science, such as, 'the reason why all of the planets move in the same direction', 'the reason why the shape of the earth is a sphere', and 'the reason why the earth has an iron core'.

We have developed an education curriculum in earth history for junior high school students. It is characterized by its use of : the observation of real samples (meteorites, Acasta Gneiss, and BIF), some simulative movies (the formation of our solar system, the giant impact hypothesis, and the birth of life), and interactive multimedia software.

It also includes general matters of science education, e.g.; knowledge of planetary science, plate tectonics, volcanology, and seismology. In Japan, the compulsory education includes these elements of earth science, however, these matters take to several pieces. It is effective to learn about an overview of earth and planetary science, as well as the seamless nature systems. This curriculum will become the de-facto standard for earth science education in the 21'st century.