

Introduction of the International Space Station to science education in the 21st century

Shin-ichi Kawakami[1]

[1] Fac. Educ. Gifu Univ.

<http://chigaku.ed.gifu-u.ac.jp/chigakuhp/>

New attractive device in learning stars and constellations is proposed by introducing artificial satellites. For this purpose, the website of satellite flight prediction has been developed and operated on the internet. Here how to use the web site is described and observational results of listed satellites are reported. Several meetings on astronomical observation for children were organized, which showed that finding of artificial satellites is interesting work for elementary school children.

Now new simulation software, which simulate landscapes from the orbit of International Space Station will be made.

Detailed information on the Earth environments, geology, and geography will be also provided from the homepage related to the software. The concept of these learning materials are closely related to the tangible Earth model exhibited in the National Museum of Emerging Science and Innovation, Tokyo.