

SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)

Ignition - Primary Space Education (1)

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HUMAN ORRERY FOR ASTRONOMY EDUCATION AND OUTREACH

Abstract

A Human Orrery is a two dimensional model of the solar system that illustrates the relative motion and position of the celestial bodies where human acts as planets and comets. For the developing country like Nepal it has been the perfect initiative where the students themselves act and visualize the concept. Human Orrery in Nepal consists of six planets and two comets of which motion is marked in the ground by the informative tiles. It has the precise measurement of the distances and the alignments. This concept engages students on both the making and executing phase. A curriculum has been developed for different levels of students on proper utilization of Human Orrery. This is the best way to educate school students and community people about astronomy. This paper will focus on the ways of making it by utilizing the local materials and on the various ways of building it. It will also focus on its impacts on the students' understanding which in all will be focused to encourage other developing nations to implement such idea which is well applicable, affordable yet with great impact in their educational community.