

RAMAN SCIENCE CENTRE AND PLANETARIUM, NAGPUR

SCIENCE ON A SPHERE SHOW

The Centre has installed a new facility Science On a Sphere (SOS) on 07th March 2018. SOS is a spherical projection system created by NOAA. It presents high-resolution video on a suspended globe rather than a flat screen, with the aim of better representing global phenomena, animated images of atmospheric storms, climate change, and ocean temperature which can be shown on the sphere to explain these complex environmental processes.

SOS uses many readily available hardware and software components combined into an innovative format to create datasets which present one particular aspect of the Earth or any spherical orb. The screen is inert; it neither moves, nor has any electronic parts. Surrounding the screen are four video projectors, positioned at ninety degree increments around the screen.

This unique facility will provide a 3D experience of various phenomena on the earth as well as on other celestial objects to the visitors of the Centre. The shows on various topics such as Solar System, El-Nina, La-Nino, Ocean Current, Climate Change, Human Impacts, Climate Change, Plate Tectonics, Sustainability, Extras, Global Warming, Acidification, Carbon Cycle, CO₂, Fossil Fuel, Oceans, Sea Surface Temperature Anomaly etc. can be arranged for the students in groups.

The shows of SOS are conducted for the visitors of Raman Science Centre. Timing : After every one hour starting from 12.30 pm. Last Show is at 5.30 pm. Fees Rs. 25/- for general Visitors. Concessional Fees for a group of students from school: Rs. 15/-

