

## Contact:

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(773) 947-6003***EARTH REVEALED*****Opening Date:** Fall 2007**Square Footage:** 1,900 sq. ft.**Museum Location:** Main Floor

In this unique, facilitated exhibit experience, guest and school groups get an up-close and near real-time view of our planet Earth, as a 6-foot in diameter, solid carbon-fiber sphere is dramatically illuminated and suspended before them.

Computers and video projectors—loaded with data sets from the National Oceanic and Atmospheric Administration and images from satellites located 435 miles above the Earth—transform this sphere into a dynamic, revolving globe that demonstrates our Earth as a living system and allows guests to witness the Earth's atmosphere, the flow of our ocean currents and the amazing geophysical forces that shape the planet.

The images projected on the globe are organized into “play lists”—letting guests experience a series of different shows about, and snapshots of, our planet. Among the topics explored through this amazing learning tool are our planet's past and future; Earth's place in the universe and the origin of the planets; climate, weather, currents, and geophysics; land use patterns; the human impact on the planet; and Earth as a habitat for life.

Museum of Science and Industry staff facilitates special presentations daily to guests, students and teachers. *CO2 and You* explains carbon dioxide and how it affects our planet, while *Dealing with Disaster* shows the impact of tsunamis, earthquakes and hurricanes and discusses how people recover from and prevent natural disasters. Other shows share the history of earthquakes in Illinois and the U.S., explore the solar system in a search for signs of life on other planets, and highlight what weather conditions cause the most severe storms and where they are found.

Facilitated discussions offer an experience tailored to guests' interests and encourage them to learn from each other. Live demonstrations turn into active conversations among guests of all ages and backgrounds about topics such as climate change, natural disasters and the possibility of life on other planets.

Among the other dramatic “real-time” snapshots guests can witness:

- The development of Hurricane Katrina and how it changed course to hit, and devastate, New Orleans.
- The deadly Asian tsunami—with its waves ricocheting around the world in a day's time.
- A week's worth of earthquakes and the locations they hit around the world.
- Air traffic crisscrossing countries in a 24-hour period.
- How temperatures have warmed as the world's carbon-dioxide output has increased over the past 200 years.
- The lights on Earth, clearly visible at night from space

*Earth Revealed*, with stunning clarity and beauty, offers guests an appreciation of the vastness, complexity—and fragility—of our planet, and helps them to understand how and why we need to protect it.

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