

CUTLINES

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Photo Cutlines for “The Next Giant Leap – Beyond Planet Earth: *The Future of Space Exploration*”

Image 8. - Hubble Telescope diorama

The Hubble Space Telescope, which was designed to be upgraded while in space, has features like handrails that make it possible for astronauts to perform maintenance. The diorama here re-creates a crucial moment in 2009, when astronaut John Grunsfeld installed the new Wide Field Camera 3, the device that currently captures many of Hubble’s most amazing images. For more information or to purchase tickets, go to www.spacecenter.org.

Image Credit: © AMNH\R. Mickens

Image 9. - Bigelow moon habitat

Made with walls of reinforced fabric, expandable spacecraft like this model by the private space company Bigelow Aerospace—shown here in one-third scale—may one day house astronauts on the Moon. For more information or to purchase tickets, go to www.spacecenter.org.

Image Credit: © AMNH\D. Finnin

Image 14. - Terraforming Interactive Table

A multi-user interactive “game” will give Beyond Planet Earth visitors the task of “terraforming” Mars, transforming its cold, thin-aired surface into something more akin to Earth. With a multi-touch table, players work together to build the atmosphere on the planet by various means, such as crashing asteroids to release frozen carbon dioxide that will thicken the atmosphere or building soil-burning factories to set off a runaway greenhouse effect, a process that would speed global warming. Visitors then build the biosphere by introducing various life forms, including algae and evergreens. For more information or to purchase tickets, go to www.spacecenter.org.

Image Credit: © AMNH\D. Finnin

SOURCE: Manned Space Flight Education Foundation Inc.

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The Manned Space Flight Education Foundation Inc. is a 501(c)(3) nonprofit space museum with an extensive science education program. The cornerstone of its science education mission is Space Center Houston, which USA Today called “*The Big Draw*” in the greater Houston area with nearly 800,000 visitors annually and a \$45 million economic impact on the greater Houston area. It is the official visitor center of NASA’s Johnson Space Center and draws more than 100,000 teachers and students annually from around the world. For more information, go to www.spacecenter.org.

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