Hyperwall and Science Gallery Exhibits

NASA's Hyperwall

Storytelling like never before! NASA's Hyperwall displays large visuals that provide new perspectives of Earth's environment, the sun, our solar system, and the universe.

NASA's Science Gallery

The science gallery reveals the "big picture" to help tell fascinating science stories about our changing Earth.

Thanks for joining us!

EARTH *RIGHT* NOW

Your planet is changing. We're on it.

National Aeronautics and Space Administration

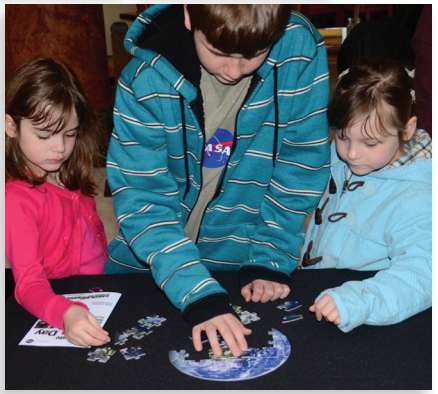
www.nasa.gov

National Aeronautics and Space Administration

Celebrate Earth Day with NASA

Union Station

Washington, DC



Passport to NASA Hands-On Demonstrations

APRIL 21 - 22, 2014

EARTH *RIGHT* NOW

Your planet is changing. We're on it.

Hands-On Demonstrations

How To Earn Your NASA Packet:

Have your passport stamped after completing at least five demonstrations.
To receive your special NASA packet, go to the Information Station.

KEY — APRIL 21 & 22 — APRIL 22

Note: Not all activities are available both days. Activities that have a half orange, half blue circle next to them are available on both April 21-22. Activities with a blue circle next to them are only available on April 22.

1 Dynamic Planet

This touchscreen interface allows users to drive a spherical display that shows a variety of remote sensing satellite datasets.

2 Eyes on the Earth 3D: Come Fly with NASA!

Eyes on the Earth is a three dimensional (3D) visualization experience that lets users "fly along" with NASA's fleet of Earth science missions and observe climate data from a global perspective in an immersive, real-time environment.

3 What on Earth?

Look closely at these Earth photos to determine just "What on Earth" it is. Get clues from the Earth Science Picture of the Day (EPOD).

4 Space Racers

Space Racers is a new animated television program following young Space Rocket cadets as they soar through the solar system learning about scientific investigation and observation, space exploration, and the importance of working together as a team. Visit the Space Racers Kiosk for an exclusive sneak peak of our new "Space Collector" game, plus prizes and giveaways.

5 Science Casts

Science Casts are short videos about fun, interesting, and unusual science topics encountered by NASA's science missions. Catch a new episode every week as we look into the science behind discoveries on Earth, in the solar system, and beyond…
Learn more at *sciencecasts.nasa.gov*

6 iSat

Interactive Satellite Tracker (iSat) is a browser-based application that allows you to track all NASA Science Satellite Missions, as well as other satellites.

7 Calculate Your Carbon Footprint

Calculate your carbon footprint and discover where you fall on the "Green-o-Rometer." We'll even offer simple tips on ways to reduce your carbon consumption.

8 UV Detecting Beads

NASA keeps a close eye on the sun's ultraviolet (UV) radiation and you can too! Become a UV detective with specially designed UV sensitive beads and walk away with your very own UV detection bracelet.

9 Learning Remote Sensing with Puzzles

Help NASA piece together images taken of Earth from space, including the popular Earth at night image.

10 Know Your Earth

How well do you Know Your Earth? Here, you can take a quiz and earn a prize if you correctly answer each question. Quizzes can be taken at the Know Your Earth table or on your smart device via a QR code. Through these quizzes, you can learn all about NASA Earth Science.

11 Digital Photo Booth

Get your face in space! You'll walk away with a real keepsake.

12 Earth Connection via Suborbital Platforms

1.) Navigate your way though NASA Science and explore various research platforms using two touchscreen kiosks.

2.) Touch and feel the materials used to make NASA's scientific balloons. Inflate a cylinder made of the balloon film and observe how the material behaves while the cylinder expands.

13 Are You a Super Sleuth? Take the Earth Imagery Challenge!

NASA satellites are taking measurements of planet Earth from space. Follow our "clues" to solve the imagery mystery!

14 Sensors, Circuits, and Satellites

Assemble an energy-sensing circuit and discover how NASA's Aura satellite can study the chemistry of our atmosphere.

15 Cloud in a Bottle: GLOBE Program

Learn about clouds and make a cloud in a bottle. Then, play our Cloud Cover Estimation game.

16 Puzzling Changes in the Land

Arrange a time series of Landsat images or piece together a Landsat scene to reveal Earth's changing landscape.

17 Aviation and the Environment

The Earth's atmosphere protects life in many different ways. But, what would happen to us if our atmosphere suddenly disappeared? Learn how pilots and astronauts protect themselves as they travel to the very edge of Earth's atmosphere.

18 Measuring Precipitation: On the Ground and From Space

Learn how rain gauges work, how the technology of the GPM satellite measures precipitation from space, and why it's important to look at precipitation patterns around the globe.