



Global Friendship Through Space Education

VOLUME 2
ISSUE 25

ASTRO

APRIL 30
2008

Partner School Science Program Newsletter



**WELCOME TO ASTRO, THE
PARTNER SCHOOL SCIENCE
PROGRAM NEWSLETTER!**

**EACH WEEK WHEN YOU CHECK
GFTSE.ORG, YOU WILL FIND
COOL PICTURES, FUN FACTS,
SPACE NEWS, AND MORE....**

**TO GET THE MOST OUT OF
BEING IN THE PARTNER
SCHOOL SCIENCE PROGRAM,
MAKE SURE TO SEND
MESSAGES TO YOUR E-PAL AS
OFTEN AS YOU CAN!**

**DO YOU HAVE SOMETHING YOU
WOULD LIKE TO SEE IN ASTRO?
IF SO, ASK YOUR TEACHER TO
SEND AN E-MAIL TO
MATTHEW@GFTSE.ORG WITH
THE PHOTO, STORY, OR LINK.
YOU MIGHT JUST SEE IT IN
NEXT WEEK'S ASTRO!**

**TEACHERS CAN SUBMIT
PICTURES AND STORIES OF
THEIR CLASS TO BE INCLUDED
IN THE PARTNER SCHOOL
SPOTLIGHT SECTION!**

IN THIS WEEK'S ISSUE:

NASA NEWS: STS-124

THE SIMULATORS!

ASTRONAUT JAY BUCKEY



NASA NEWS: STS-124



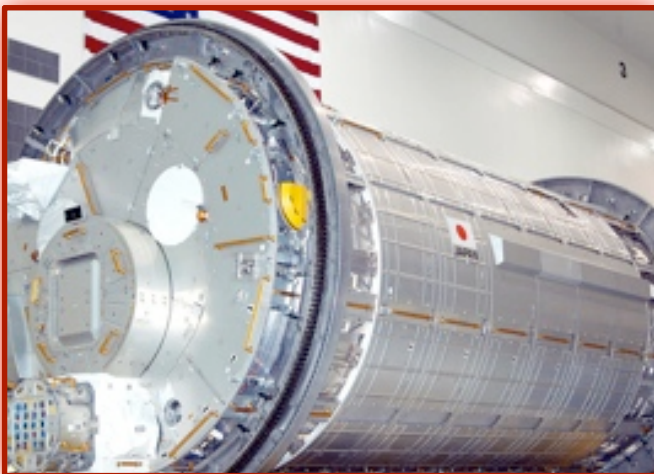
Space Shuttle Discovery is currently going through its last rounds of testing before being rolled out to the launch pad and getting prepared for lift off!

With only eight Space Shuttle flights left until the program is discontinued in 2010, this historic mission will install an important part of the International Space Station.

A joint mission between the United States and Japan, this launch will complete the Japanese portion of the Space Station named Kibo.

Kibo, which means "hope" in English, is a research module that will greatly increase the amount of space astronauts have to do science experiments onboard the station.

STS-124 is scheduled to launch from Kennedy Space Center on May 31st at 5:01pm. The astronauts are currently planning to stay in orbit for over 13 days!



The second part of the Japanese module Kibo is preparing to be fitted into the Space Shuttle for launch to the ISS.

E-PAL WEEK: THE SIMULATORS!



Space Camp Turkey has many simulators that are designed to train you to be an astronaut, just like NASA does!

The MMU: Simulates the personal jet pack astronauts used in space to make repairs to the Space Shuttle and capture broken satellites.

Zero-G Wall: The closest you can get to feeling weightlessness on Earth, the Zero-G Wall will have you climbing up and down with ease.

1/6th Chair: With the Moon only having 1/6th of the gravity as Earth, you will be able to jump farther than you ever have before!

5DF Chair: With no friction in space, the slightest nudge will keep you moving forever! Figure out how to move around in space with this simulator.

MAT: The Multi Axis Trainer allows you to feel what it is like when your spaceship has lost control and is falling back to Earth! You spin in three directions at the same time!

SSMT: Feel how running around upside down in a circle was a great way for space station astronauts to exercise on Skylab!



ASTRONAUT JAY BUCKEY!

We are very excited to announce that astronaut Jay Buckey and his daughter will be coming to E-Pal week this summer!

Dr. Buckey flew onboard Space Shuttle Columbia on STS-90. While in space he studied the effects of weightlessness on the human nervous system.

After spending over 381 hours in space and orbiting the Earth 256 times, Dr. Buckey will have many experiences to share with you this summer! Start thinking of any questions that you have about what it's like to be an astronaut, as you will have time to ask him questions one-on-one!

To read more about Dr. Buckey visit:
<http://www.jsc.nasa.gov/Bios/PS/buckey.html>



Check back next week for more!



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