



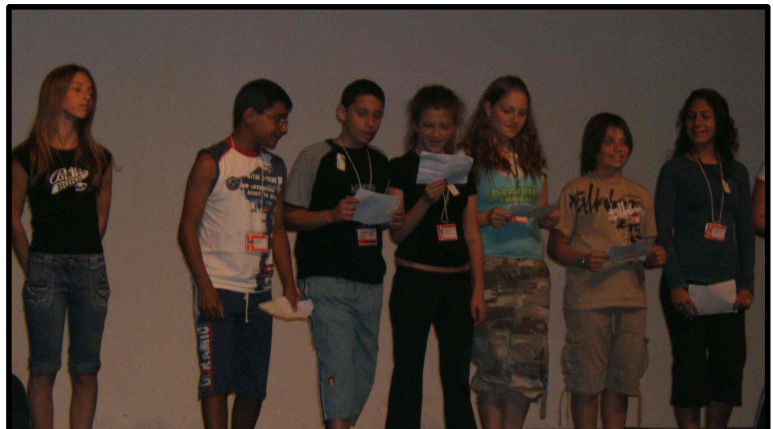
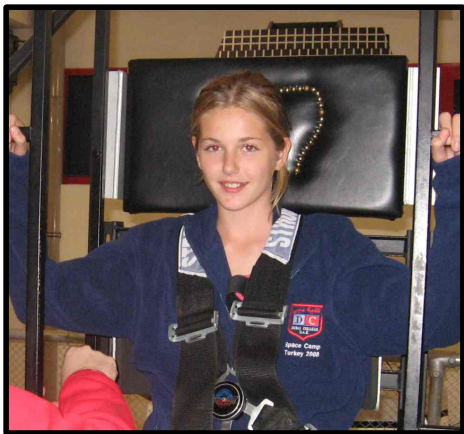
Global Friendship Through Space Education

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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
TYILDIRIM@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!**

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TEACHERS IN SPACE

The NASA "Teacher In Space" project is a unique program that allows school teachers to train as astronauts and fly on the US Space Shuttle! The first of these astronauts, Barbara Morgan, flew in space during August of last year.

Students are also able to benefit from this project by submitting proposals for possible experiments that teacher astronauts could do in space. Teacher astronauts conduct their experiments live from space with students here on Earth through video conferences.

Does your teacher seem like he or she might belong in space? Convince them to sign up! Tell them to go to: <http://www.nasa.gov/astronauts/recruit.html>

Do you have an idea for an experiment NASA should do in space? Submit your idea at: http://www.nasa.gov/about/contact/ask_nasa_form.html

SEEDS IN SPACE

One of the many experiments Barbara Morgan conducted while in space involved growing basil seeds in orbit. She brought back many of these seeds for classes to grow here on Earth. They will be able to see if there are any differences between growing them in space and on Earth. Hobgood Elementary School, a Global Friendship Partner School, is participating in this experiment!



Barbara Morgan, the first teacher in space, before her flight on Endeavour in August.



Packets of basil seeds like these have been distributed to schools around the world. One packet has flown in space, while the other hasn't.

SPACE SUITS

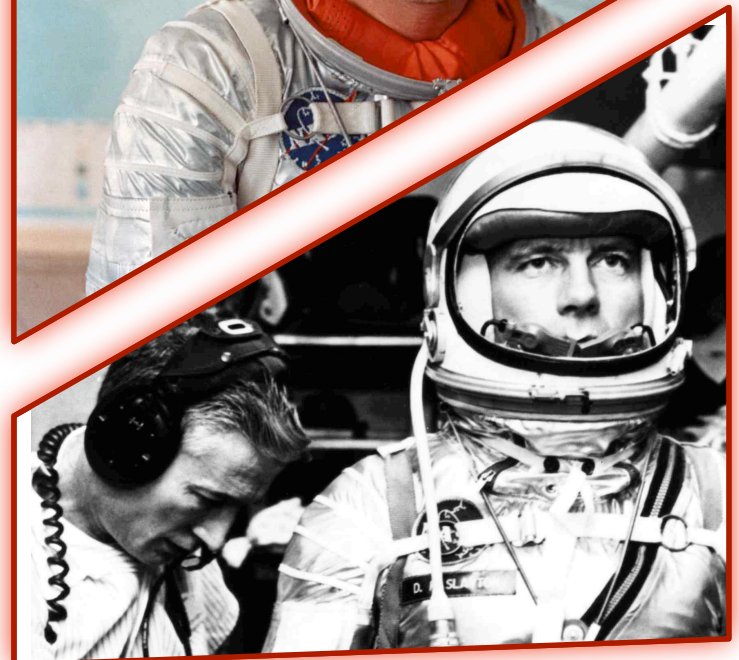


Space suits are designed to protect astronauts during their EVAs. EVA is a NASA acronym for Extra Vehicular Activity, or "Space Walk".

Space suits have five general functions. They are to protect the astronaut from space debris, extreme temperatures, pressure, radiation, as well as provide them with oxygen, food, and water.

Each space suit comes in regular sizes: Small, Medium, Large and Extra Large. The gloves an astronaut will wear with their space suit are custom made from a mold of their hands.

Custom gloves are needed because the astronauts need to be able to get a good grip on handles and tools that they use while in space.



SPACE WORDS

Space Debris- Objects that are flying around in space that could be dangerous to astronauts or space ships. Traveling around at 17,400mph (28,000kph), even the smallest pieces of dust could cause a problem if it wasn't for the many layers of protection that space suits as well as the Space Shuttle and International Space Station have.

basil (Turkish "feslegen") - a spice in the mint family commonly used in American and Turkish cooking.

Check back next week for more!



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