



Global Friendship Through Space Education

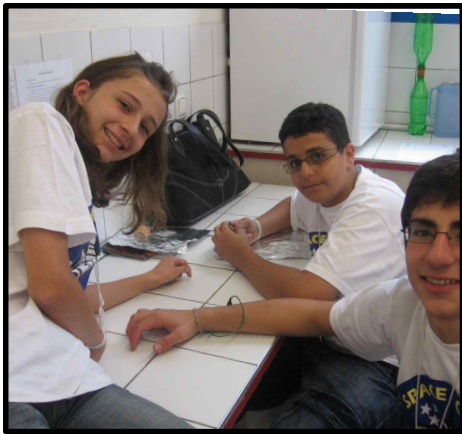
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**ASTRO**

NOVEMBER 19  
2007

# Partner School Science Program Newsletter



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

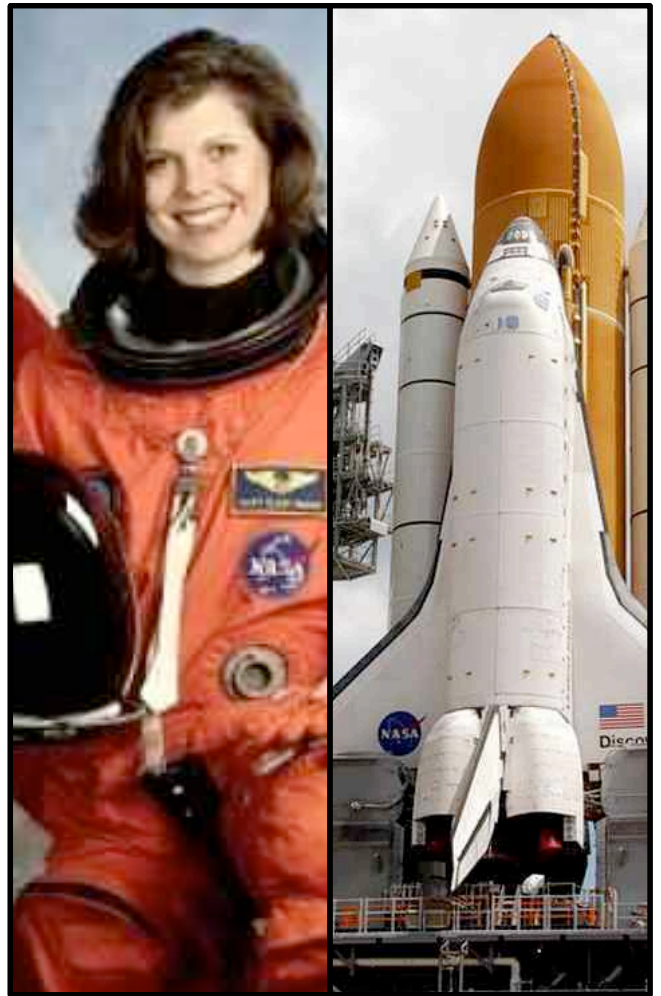
**EACH WEEK WHEN YOU CHECK  
YOUR MAILBOX, YOU WILL  
FIND COOL PICTURES, FUN  
FACTS, SPACE NEWS, AND  
MORE.....**

**TO GET THE MOST OUT OF  
BEING IN THE PARTNER  
SCHOOL SCIENCE PROGRAM,  
MAKE SURE TO MESSAGE  
YOUR E-PAL ONCE YOUR  
TEACHER ASSIGNS YOU ONE.  
ONLY MESSAGE WHEN YOU  
HAVE THEIR PERMISSION!**

**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](mailto:TYILDIRIM@GFTSE.ORG)  
WITH THE PHOTO, STORY, OR  
LINK. YOU MIGHT JUST SEE IT  
IN NEXT WEEKS ASTRO!**

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

**IN THIS ISSUE:  
ASK AN ASTRONAUT: DR.  
DREW GAFFNEY  
BACK TO THE MOON**



# ***ASK AN ASTRONAUT: DR. DREW GAFFNEY***

Dr. Drew Gaffney was a NASA astronaut on the space shuttle Columbia in 1991. His mission, called STS-40, was conducted using the help of Spacelab.

Spacelab is a module that can be added to the space shuttle to give astronauts more room and equipment to do science experiments.

Dr. Gaffney is now a doctor (cardiologist) at Vanderbilt Medical Center in Nashville, Tennessee, USA. He has spent 218 hours, 14 minutes and 20 seconds in space!

Dr. Gaffney visited Space Camp Turkey to meet with Partner School Science Program students during E-Pal week in summer of 2005. (Pictured Right)

What would you like to ask an Astronaut? Ever wondered what it's like to be in space? How do you eat in space? You can ask any question you want!

To ask Dr. Gaffney a question, send an e-mail (with your teacher or parent's permission!) to [matthew@gftse.org](mailto:matthew@gftse.org) with your question or ask your teacher to e-mail a copy of your question.

Check Astro in a couple weeks to see the answers to your questions!



**Dr. Drew Gaffney**



**Dr. Gaffney speaks with students at Space Camp Turkey.**

# *BACK TO THE MOON: PROJECT CONSTELLATION*

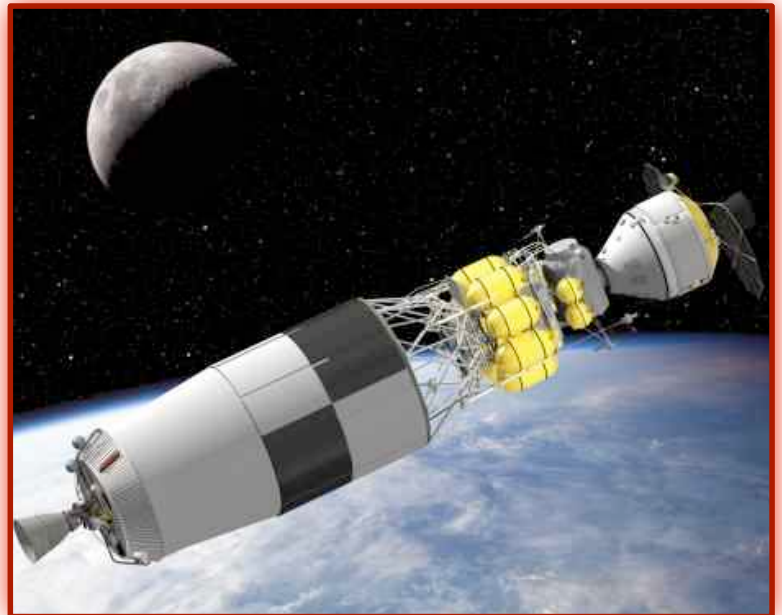


NASA researchers are working hard on the prototype vehicle for NASA's constellation program, which will send humans back to the moon.

This picture was taken on November 14, 2007, which was the 38 year anniversary of the second moon landing. NASA hopes to make the first tests of this new rocket by 2012, with a mission to the International Space Station scheduled for 2013.



NASA's new vehicle to take people to the moon has many of the same concepts as the original rocket that took people to the moon in 1969, the Saturn V. Here you can see, on the right side of the rocket, a type of lunar lander that can separate from the space ship to land on the moon. Who will be the first to go back to the moon? We'll know in 2020!



## ***SPACE WORDS:***

Cardiologist- a doctor that studies the heart, how it works, and it's diseases.

Concepts- an idea for something.

Prototype- a model, or example of something that will be created later.

Lunar Lander- originally used in the Apollo program, it separates from the space craft to land people on the moon. Then goes from the moon back to the space craft. It also serves as the astronaut's home on the moon.

**Check back next week for more!**



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