

GLOBAL FRIENDSHIP THROUGH SPACE EDUCATION

Year 08 - Vol. 05 - March 18, 2015

ASTRO NEWSLETTER

PSSP Videoconferences Highlights

Comments From PSSP Teacher -

Ela Gwiazda-Szer (Lodz, Poland)

"On the 20th of January School4child, Poland attended a three-way-videoconference with our Turkish partner school Doga College (Istanbul, Turkey) and Nasa Space Centre in America. At first both schools' teachers presented themselves and then proceeded with their "mission". The topic of the videoconference was "Mission Patch Design: and we had a chance to present our designs in English to Scott Anderson, the Nasa expert. Both teams never felt stressed about doing so. The children could share their ideas online and listen to their ePals ideas as well. It is the 4th year we attend the PSSP program and each year we can't wait till the next meeting online. It fosters communication in English as well as educates and enables young people to boost their social skills. For the teachers, it is an excellent way to try something new, innovative and so up-to-date. Looking forward to the next meeting online with our partner school and Toys in Space topic."

Below: Children From Lodz, Poland get a chance to show off their creative Mission Patch Designs, during a NASA videoconference with PSSP Partner School Doga College in Istanbul and Scott Anderson from Marshall Space Flight Center in Huntsville, Alabama, U.S.A. on January 20, 2015.

Future Explorers Program Milestone

It has been quite a busy beginning to 2015 for GFTSE and the Digital Learning Center at Space Camp Turkey. We have reached our **10th Future Explorers Program (FEP) School** to sign up for the program in just 3 months! This is an amazing accomplishment - as there are more and more schools interested in FEP - we, at GFTSE, are spreading our "global friendship wings" and growing stronger everyday. There are new schools signing up weekly - come and fly with us and be a part of this exciting new path to global friendship!

For questions about what we are doing with FEP please email GFTSE Manager Tolga Yildirim - tolga@spacecampTurkey.com





News From the International Space Station: One Year Mission

The journey begins in March of 2015, as the two brave men taking part of the One Year Mission onboard the ISS, launch with the second half of the crew for the [Expedition 43 Mission](#) to the orbiting space laboratory. American Scott Kelly and Russian Mikhail Kornienko will join just a handful of men that have stayed in space for more than one year at a time - the others all coming from the [Soviet Union's MIR Space Station](#) Era - this will also be the first time this will be accomplished by a NASA Astronaut. The difference between now and then, is the huge technical and medical advances we have made since the 1980's and 90's. This study will give us much more valuable information about the changes and stresses that a [human body goes through in long-duration spaceflight](#). Also giving us data about the exposure to high amounts of [radiation outside of Earth's atmosphere](#) and a human's psychological processes dealing with space flight for such long periods of time.

This One Year Mission on the ISS is so important because of NASA and other space agency's plans of leaving "[Low-Earth Orbit](#)" once again for "Deep Space" - going back to the Moon, Near-Earth Asteroids and even Mars. Some of these missions could last for up to 3 years and its difficult to tell what will happen to a human away from Earth for so long, and this [mission](#) is the first step to learning just that - You can even look at this as an important step to putting humans on another planet! So... Go Scott and Mikhail!



Above: *Left* NASA Astronaut - Scott Kelly and *Right* Roscosmos Cosmonaut - Mikhail Kornienko

Photo of the Week - *Deja Vu* - NASA's Twin Study

Astronaut Twins - *Left* Mark Kelly (retired) and *Right* Scott Kelly.

This is a very unique opportunity for NASA and humanity to study the effects of long-duration space flight on a human's body. As two genetically identical humans, one on Earth (Mark) and one on the ISS for an entire year (Scott) - are taking part of the "[Twins Study](#)" by NASA that consists of various observations involving a very close look of the bodily functions of both men before, during, and after the year-long mission.

