ASI Educational activities for youngster

• Educational products to be distributed to schools and students to increase space science and technologies knowledge (edutainment approach)

• Educational & Outreach projects to involve students and the general public into the space world (experiential approach)
ASI Educational products

- Comic books on space sciences and missions
- Videogame on ISS
- Puzzles 3D of space satellites and ISS
- Earth Observation satellites kit (with ESA)
- Cartoon movies
- ...and so on
ASI Educational projects

• Mission X – Train like an Astronaut
• Zero Robotics
• Italian Astronauts Mission contests
• Aerospace Web Channel

The STS-134 Mission Name and Logo contest winner

Aerospace Web Channel home page: spazioallescuole.it
Mission X
Train like an Astronaut

A global project to promote and inspire healthy lifestyles among young people (age 8-12) by showing how astronauts and cosmonauts stay fit.

Mission X aimed to demonstrate how countries all around the world could work together to incentive a healthier lifestyle.
Mission X Multi-Year Campaign Concept

Goals for Multi-Year:
- 50% increase in the # of students & leaders each cycle
- Double the # of countries & space agencies by Cycle 4
- 2 additional activities (educational & physical) each cycle
- Expand website to accommodate all growth
- Improve interactions between national teams
2012 PARTICIPANTS

17 Countries Participating, 7 Countries Observing, 12 Languages
7 Space Agencies, 4 Space Offices, 9 Organizations/Institutions

24 Countries total will experience Mission X in 2012
2012 PARTICIPANT DETAILS

Languages
1. English
2. German
3. Italian
4. Castilian
5. Colombian Spanish
6. Dutch
7. French
8. Japanese
9. Portuguese
10. Czech
11. Swedish
12. Danish
13. Russian

Space Agencies
1. NASA (US)
2. ESA (Europe)
3. DLR (Germany)
4. CNES (France)
5. ASI (Italy)
6. UK Space Agency
7. JAXA (Japan)

Space Offices
1. NSO (Netherlands)
2. FFG (Austria)
3. Colombia
4. Czech Space Office

Organizations/Institutions
1. CDTI (Spain)
2. Universidad Politécnica (Spain)
3. Infini.to (Italy)
4. Vienna Technical Museum (Austria)
5. Ciencia Viva (Portugal)
6. Museum.BL (Switzerland)
7. Eurospace Centre (Belgium)
8. Tycho Brahe Planetarium (Denmark)
9. Space Expo (Netherlands)
Welcome to Mission X, a 6-week international fitness challenge. We’re focusing on fitness and nutrition as we help students to “train like an astronaut.”

Learn More
Mission X 2011-2012 in Italy

- Total number of participating children: 800
- Total number of participating adults: 56
- Total number of teams involved: 28
- Total number of cities involved: 10
- In 2011 one final event with Samantha Cristoforetti and an in-flight call with Paolo Nespoli
- In 2012 an opening event, a final event and a special event in London (the Olympics)
Zero Robotics: Spheres
(Synchronized Position Hold Engage and Reorient Experimental Satellites)
Zero Robotics

• A competition designed to cultivate interest in STEM.
• The competition starts online where teams compete to solve an annual challenge.
• Participants can create, edit, save, simulate, and submit code, all from a web browser.
• After several phases of virtual competition, finalists are selected to compete aboard the ISS in a live championship.
• The project enforces an international collaboration between teams.
Zero Robotics in Italy

The winning team of the pilot edition was Italian.
The Italian Space Agency is supporting the 2012 edition and organizing the world finals in Italy.
Main returns of educational projects

• goodwill and interest for space topics
• orientation of the youth towards scientific studies
• opportunity for young students and teachers from different countries to experience a multicultural environment and to confront each other
• international cooperation
Thank you!

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