

SPACE

FOR IMAGINATIVE TEACHING & LEARNING



Packing for Mars

OUTLINE

Use the inspiration of future manned mission to Mars to engage students in science, technology, engineering and mathematics and in cross-curriculum projects. Participants will have an opportunity to learn about:

- The physical and mental challenges of living in space
- The changes to your physiology off-world
- How astronauts train for short and long duration missions
- The importance of food and nutrition for physical and mental health

OUTCOMES

By attending the workshops participants will:

- Hear from astronaut instructors and space agency staff about human space flight
- Be introduced to Mission X – a cross curricular programme linking PE, science and nutrition and have an opportunity to try out astronaut training activities
- Discover new teaching resources available through the National STEM Centre and ESERO-UK
- Gain a better understanding of how space can be used across the curriculum to engage students
- Meet colleagues and share good practice

TRAINERS: Dr. Charles Lloyd, NASA • Yamil Garcia, NASA Astronaut Trainer
Nubia Carvajal, NASA Educator • Shamim Hartevelt, ESA Educator

AIMED AT: Primary school teachers • Secondary science, technology, and PE specialists

Wednesday 25 April 2012, Royal Aeronautical Society, 4 Hamilton Place, London W1J 7BQ

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| 11.00 | Registration |
| 11.20 | Train Like an Astronaut - Yamil Garcia NASA, Astronaut Instructor |
| 12.00 | Lunch |
| 12.45 | Opportunity to observe NASA astronaut training demonstrations with students
Yamil Garcia, NASA Astronaut Instructor |
| 1300 | Space for Health and Fitness - the science behind planning for human spaceflight
Dr. Charles Lloyd, NASA Life Scientist |
| 1345 | Mission X - Train Like an Astronaut - overview
Shamim Hartevelt, ESA Educator and Nubia Carvajal, NASA Educator |
| 1430 | Space for Imaginative Teaching and Learning - free resources from ESERO-UK and the
National STEM Centre
Heather MacRae, Venture Thinking |
| 1500 | Close |

