

STEM projects to promote scientific citizenship

→ **i.lab Matematica - Milan Science and Technology Museum**

About 15,000 visitors of the permanent interactive laboratory designed to attract students, families and teachers to maths in an informal and fun manner, through specific programmes.

→ **Leonardo Committee Graduate Award**

This award was given to a Computer Vision project, a discipline that studies processes able to simulate the functioning of a human brain when processing images.

→ **Mars. Close encounters with the Red Planet**

Guided visit at the Milan Science and Technology Museum led by designers of Leonardo's ExoMars team, also involving employees' children. A prototype of the drill that will be used to bore the Martian earth was donated to the museum, where it is on exhibition.

→ **Gravity. Imaging the Universe after Einstein**

More than 700 students from 19 primary and secondary schools participated free of charge in 30 educational laboratories organised with the support of Leonardo in the exhibition housed in MAXXI, the Rome National Museum of 21st Century Arts. The educational activities included learning about the Universe and space-time relations.

→ **Space Festival at Busalla**

Leonardo is the scientific partner of the Space Festival, which was held for the second time. It was attended by astronauts, astronomers, astrophiles as well as families and people passionate about space to share projects and visions. Leonardo presented its SD2 drill which was used on the surface of Comet 67P as part of the Rosetta mission.

→ **European Researchers' Night**

Leonardo took part in the initiative promoted by the European Commission by organising laboratories and events. The initiative, which reached to thirteenth edition, was held in Rome, Frascati, Milan, Turin and L'Aquila.

→ **UK Year of Engineering 2018**

Leonardo contributed to the celebration participating in many initiatives, including:

> **RAF100**

The graduates and apprentices of Basildon, Luton and Yeovil participated in the London part of the tour to celebrate the Royal Air Force (RAF)'s 100th year with a STEM stand, a real educational and creative laboratory with practical lessons on aerodynamics and thermal chambers used to film visitors in real time.

> **The Big Bang Fair**

Leonardo participated in the most important STEM fair in the United Kingdom for young people, organised by EngineeringUK in collaboration with the Royal Academy of Engineering.

> **Flying Start Challenge**

Competition for young engineers for the development and construction of a model glider assisted by expert mentors from the aerospace industry.

> **International Women in Engineering Day**

"Girls into Engineering" event to strengthen the skills of future women engineers by involving secondary school female students in engineering-related activities.

> **Futures days**

Event in the context of the Farnborough International Airshow to stimulate and encourage young people between 11 and 21 years old to undertake and think about a career in the Aerospace and Defence sector, involving roughly 5,000 people.

> **Royal Institution Masterclass Programme**

Programme aimed at encouraging young students interested in science and engineering to continue on to university. Leonardo involved 40 students from six secondary schools in the Luton area.