

SCHEDULE

- 9:00- 12:30 am: Start of space activities
- 12:30- 1:30 pm: Lunch
- 1:30-3:30 pm: Space activities
- 3:30-4:00 pm: Break
- 4:00-5:00 pm: Space activities
- 5:00 pm: End



SPACE ACTIVITIES PROGRAMME (subject to change)

Launch	30 minutes
Space Tour	1 hour
Moonwalk/Marswalk XP simulator	1 hour
Rotating chair	1 hour
Multi-axis chair	1 hour
Life in Space + Experiments	1 hour + 1 hour
or	
Rocket workshop + Launch	2 hours
TOTAL ACTIVITY TIME	6:30 hours

ACTIVITIES DESCRIPTION

- LAUNCH:** What is space? How do you travel in space? What is gravity? Introduction to space.
- SPACE TOUR:** Live the great moments of the conquest of space and explore the technological innovations they led to.
- MOONWALK / MARSWALK XP SIMULATOR:** A chair on springs that makes you feel like you weigh 1/6th of what you do on Earth and simulates walking on the moon and/or mars.
- ROTATING CHAIR:** A chair that spins on a single axis to reproduce feelings of disorientation and vertigo. An explanation of the balance coordination centre. Measurement of recovery abilities.
- MULTI-AXIS CHAIR:** A chair mounted to spin on three different axis to reproduce the feeling of disorientation felt inside the spaceship where rotational axis aren't controlled.
- LIFE IN SPACE:** Live the great moments of the conquest of space and explore the technological innovations they led to.
- EXPERIMENTS:** Various experiments with vacuums and zero pressure where sound doesn't travel, liquids boil, air volumes expand, etc.
- ROCKET WORKSHOP:** Rocket building workshop (body, nose cone, fins, parachute and motor) and microrocket launch. The basics of propulsion theory and of the stability of rockets in flight.