

VIRTUAL TOUR OF ESA ESTEC



SPACETOURS Noordwijk
Discover the world of ESA ESTEC

FORMAT AND PROGRAMME

- Format** A live, interactive VIRTUAL TOUR of ESA ESTEC to discover the world of space, technology and innovation at ESA ESTEC. You can choose between a lecture format or a workshop format. In English or Dutch by Robert Willemsen (Zoom, Teams, etc).
- Groups** Educational groups like universities, high schools, etc, that cannot visit the ESA ESTEC premises in person due to COVID-19 restrictions, but would still like to know more about what the space agency does in Noordwijk, NL.
- Duration** Normally a Virtual Tour lasts about 2-4 hours, depending on the time available, the format and number of customized topics chosen.
- Programme** Part 1. PP General introduction ESA ESTEC
General overview of ESA, the organization, activities, ESTEC and projects.
- Part 2. PP Customised topics
Lecture format: you choose 3-4 topics and we have a short Q&A after each topic or at the end. Best for a less active participation, larger or non-educational groups.
Workshop format: you choose 3-4 topics, you make a subgroup per topic and allocate students to each of the subgroups. They work on questions before the start of the VT. After each topic the spokesperson of that topical subgroup presents their findings in a mini-Q&A. For a more collaborative and interactive experience with max. 30-40 p.
- 1) Satellite Testing: a virtual panoramic tour of the satellite ESTEC Test Centre.
 - 2) IXV – Europe's space plane: the experimental atmospheric reentry space plane.
 - 3) 3D printing for space: research and applications for future space missions.
 - 4) Robotics for Moon & Mars: types of robotic experiments done for exploration.
 - 5) CDF - Satellite design: how concurrent design helps in designing future missions.
 - 6) Astronaut food & nutrition: the what, why and how of eating in space incl. research.
 - 7) Spin-offs from space tech: turning innovations into products for everyday life.
- Part 3. General Question & Answer
Discussing any general questions that were not covered in the topical Q&A's.
- Cost** For universities and high schools the Virtual Tour is offered FREE of charge by ESA as an outreach effort to groups that cannot visit Noordwijk due to COVID-19 restrictions.
- Book a tour** For bookings you can use the [Virtual Tour Request Form](#) so we have some info about your group. You can also contact us by phone or e-mail.

MORE INFO

- Video links** Here you can watch a video impression of the [19 things about ESA ESTEC](#). A tour about research in weightlessness at ESTEC's [ERASMUS Centre](#). Guided tour of the highlights in [SPACE EXPO](#) by Robert Willemsen (for Dutch TV).