

VIRTUAL TOUR OF ESA ESTEC



SPACETOURS Noordwijk
Discover the world of ESA ESTEC

EDUCATION

- Format** A live, interactive VIRTUAL TOUR of ESA to discover the world of space, technology and innovation at ESA ESTEC. In English or Dutch by Robert Willemsen (Zoom, Google Meet, etc).
- Groups** Educational groups like universities, high schools, etc, that cannot visit the ESA ESTEC premises in person, but would still like to know more about the space agency's largest technical centre in Noordwijk, the Netherlands.
- Duration** Normally a Virtual Tour lasts about 1,5-3 hours, depending on the time available, the format and customized topics chosen.
- Programme**
- Lecture format**
The VT starts with a standard overview of ESA's space activities. You then choose 3-4 extra topics to customize the VT. Every topic is followed by a short Q&A. Best for a less active participation, larger (40-100 p) or non-educational groups.
- Workshop format**
As above but now 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.
- Topics**
- 0) Overview activities of the European Space Agency (standard start for all VT's).
 - 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.
- 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](#).

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For ESA European Space Agency

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