



ESA TEACH WITH SPACE ONLINE CONFERENCE 2022

5 JULY 2022

Time	Type of session	Title	Level	Curricular subjects
10:00-10:40	Welcome session	Introduction to ESA and its education programme		
10:40-10:55	Social activity	Networking carousel		
10:55-11:10	Experiment of the day 1	Fold your Webb Telescope Mirror	Primary & secondary	Arts, Astronomy and Mathematics
11:15-11:45	Plenary 1 - ESA Expert key-note			Once explorers always explorers: Moon Mars and beyond Speaker: Angelique Van Ombergen, ESA
11:55-12:30	Splinter session 1 - classroom activities	Climate from space in the classroom - primary	Primary	Science, Physics, Chemistry and Geography
	Splinter session 2 - classroom activities	Explore Physics and Chemistry on the Moon	Secondary	Astronomy, Science, Physics and Chemistry
14:00-14:30	Plenary 2 - ESA Expert key-note			From a smart city to a space city Speaker: Kavitha Muthu, ESA
14:40-15:15	Splinter session 3 - classroom activities	Food in space	Primary	Science and Biology
	Splinter session 4 - classroom activities	All eyes on Earth: a virtual escape room activity	Secondary	Science, Geography and Mathematics
15:25-16:00	Splinter session 5 - classroom activities	Is there life out there?	Primary	Programming, Robotics and Mathematics
	Splinter session 6 - classroom activities	EO Browser - Do it Yourself Earth Observation	Secondary	Mathematics, Geography, Physics, Biology
16:15-17:00	Plenary 3			Virtual tour of ESTEC facilities
17:00-17:15	Closing session	Coming up next... Q&A with ESA Education team		

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10:00-10:10	Welcome			
10:10-11:15	Plenary 4 - ESA Expert key-note			The Earth from above: an astronaut's view
11:25-11:40	Experiment of the day 2	Yoga in Space	Primary & secondary	Biology and Health
11:45-12:30	Splinter session 7 - classroom activities	Exploring Mars using artificial intelligence	Primary	Mathematics and Programming
	Splinter session 8 - classroom activities	Exoplanets in the classroom	Primary & secondary	Astronomy, Science, Physics and Chemistry
14:00-14:30	Plenary 5 - ESA Expert key-note			Webb: a mindblowing mission to the early universe Speaker: Nora Luetzgendorf, ESA
14:40-15:15	Splinter session 9 - classroom activities	Science of space movies	Primary & secondary	Science, Physics and Chemistry
	Splinter session 10 - classroom activities	Monitoring air quality from your classroom	Secondary	Mathematics, Geography, Physics and Biology
15:25-16:00	Splinter session 11 - classroom activities	Mapping your classroom and beyond	Primary	Science, Geography and Mathematics
	Splinter session 12 - classroom activities	3D Design your sustainable Moon base with Tinkercad	Primary & secondary	Programming, Arts, Design and Mathematics
16:15-17:00	Panel Discussion 1			Future space jobs in a changing world
17:00-17:15	Closing session	Coming up next... Q&A with ESA Education team		
17:15-18:00	Social activity	Trivia & Space Drinks		

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Time	Type of session	Title	Level	Curricular subjects
10:00-10:10	Welcome			
10:10-10:40	Plenary 6 - ESA Expert key-note			Lessons in Planetary Defence: deflecting asteroids Speaker: Hannah Goldberg, ESA
10:50-11:05	Experiment of the day 3	Launch your rocket	Primary & secondary	Physics and Chemistry
11:10-11:30	Splinter session 13 - classroom activities	Teach with Space - a journey through the ESA Education primary level resources	Primary	
	Splinter session 14 - classroom activities	Teach with Space - a journey through the ESA Education secondary level resources	Secondary	
11:40-12:30	Plenary 7			Share your projects
14:00-14:30	Plenary 8 - ESA Expert key-note			Keeping space clean Speaker: Tiago Soares, ESA
14:40-15:15	Splinter session 15 - classroom activities	Cleaning up space debris	Primary	Science, Arts
	Splinter session 16 - classroom activities	Climate from space in the classroom - secondary	Secondary	Science, Physics, Chemistry and Geography
15:25-16:00	Splinter session 17 - classroom activities	Running experiments on the ISS using Astro Pi	Primary & secondary	Programming and Physics
	Splinter session 18 - classroom activities	Tinkercad Circuits: How to simulate a satellite	Secondary	Programming and Mathematics
16:15-17:00	Panel Discussion 2			Inclusiveness in Formal Education
17:00-17:30	Closing session	ESA Teach with Space Online Conference wrap-up		