

ESA TEACH WITH SPACE ONLINE CONFERENCE 2021					
Time	Type of session	Title	Space theme	Level*	Curricular topics
6 JULY	Welcome session	Introduction to ESA and its education programme			
	Experiment of the day 1	The size of the Solar System	Exploration	P, S	Science, Astronomy
	Primary 1 - ESA Expert key-note	Climate from Space	Earth Sciences	P	Science
	Splinter session 1 - classroom activities	Weather and climate in the classroom	Technology	S	Programming, Robotics and Mathematics
	Splinter session 2 - classroom activities	Do it Yourself 3D printed rover	Technology	P	Science, Arts
	Primary 2 - ESA Expert key-note	Clean Space	Exploration	S	Physics, Chemistry and Biology
	Splinter session 3 - classroom activities	Cleaning space debris	Exploration	P	Science, Physics and Chemistry
	Splinter session 4 - classroom activities	Space exploration activities	Earth Sciences	S	Mathematics, Geography, Physics, Biology
	Splinter session 5 - classroom activities	The science of Space Movies			
	Splinter session 6 - classroom activities	EO Browser - Do it Yourself Earth Observation			
	Primary 3	Virtual tour of ESTEC facilities			
	Q&A with ESA Education team	Coming up next...			
7 JULY	Welcome				
	Primary 4 - ESA Expert key-note	Space exploration and sustainability	Earth Sciences	P, S	Physics
	Experiment of the day 2	Risa bag rocket	Exploration	P	Science, Arts, Physics and Biology
	Splinter session 7 - classroom activities	Building stuff for space - Spacecraft Materials kit & Bionic Hand	Exploration	S	Physics and Chemistry
	Splinter session 8 - classroom activities	The science of Space Movies			
	Primary 5 - ESA Expert key-note	How does space benefit society?	Technology	P, S	Mathematics and Programming
	Splinter session 9 - classroom activities	Artificial Intelligence	Earth Sciences	S	Mathematics, Geography, Physics, Biology
	Splinter session 10 - classroom activities	Understanding our Earth from Space with Easy-to-Use Augmented Reality Apps	Technology	P, S	Programming, Robotics, Physics and Mathematics
	Splinter session 11 - classroom activities	Experimenting with sensors made easy	Exploration	S	Physics and Mathematics
	Splinter session 12 - classroom activities	Exoplanets in a box			
	Panel Discussion	The STEAM classroom & In Education of the future: how to implement learner-centred and interdisciplinary methodologies in the classroom			
	Q&A with ESA Education team	Coming up next...			
	Trivia & Space Drinks				
8 JULY	Welcome				
	Primary 6 - ESA Expert key-note	Enabling your Artificial Intelligence	Technology	P, S	Physics
	Experiment of the day 3	Seeing the invisible	Exploration	P	Science, Mathematics and Physics
	Splinter session 13 - classroom activities	Landing on the Moon	Technology	S	Programming, Robotics, Physics and Mathematics
	Splinter session 14 - classroom activities	Plants on Mars			
	Share your projects				
	Primary 7 - ESA Expert key-note	Mapping your classroom and beyond	Earth Sciences	P	Science, Geography, Mathematics
	Splinter session 15 - classroom activities	Introduction to Astro Pi	Technology	S	Programming and Physics
	Splinter session 16 - classroom activities	Introduction to 3D Design using Tinkercad	Technology	P, S	Programming and Mathematics
	Splinter session 17 - classroom activities	Climate from Space in the classroom	Earth Sciences	S	Physics, Chemistry, Geography
	Panel Discussion	Work and Learning in the Future: What are the opportunities of our planet and the world after the COVID-19?			
	Closing session				



