SSEP Mission 11 to ISS
America Experiments Payload Summary

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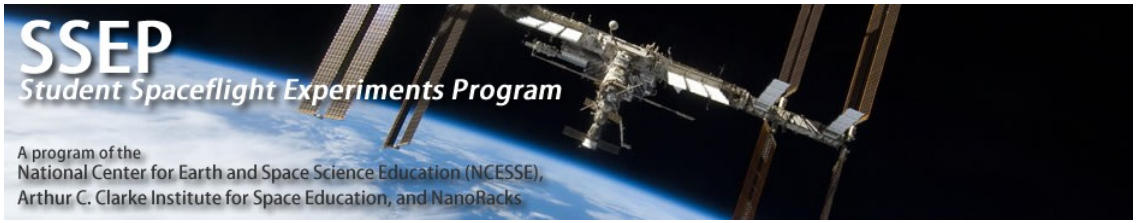

21 Experiments Comprising the SSEP Mission 11 to ISS *America* Payload and 1 Experiment from SSEP Mission 9 to ISS *Endeavor* Payload

	Community	Experiment	Team	Grades	At Launch?
1	Coquitlam, British Columbia, CAN	The Effect of Microgravity on Fly-Ash Concrete used in Building Structures	2 Co-PIs	12	
2	Stonewall, Manitoba, CAN	Can Tomatosphere™ tomato seeds germinate on Earth after having been exposed to microgravity and cosmic radiation for a second time of exposure?	3 Co-PIs	8	X
3	iLEAD Consortium, CA	Microgravity and Yeast	4 Co-PIs	6	X
4	North Hollywood, CA	Hydroponics in Microgravity	3 Co-PIs	8	X
5	Santa Monica, CA	The Effect of Microgravity on the Rate of Fermentation in *Saccharomyces cerevisiae*	5 Co-PIs	8	
6	Vista, CA	Can *Dugesia japonica* Regenerate in Microgravity through the Use of Stem Cells?	1 PI, 4 Co-Is	6, 7, 8	
7	Bridgeport, CT	Microgravity's Effect on Immune System Response of Model Species: an interaction between *Daphnia magna* and *Pseudomonas aeruginosa*	4 Co-PIs	12	
8	East Hartford, CT	How does Microgravity Affect Algae Growth?	5 Co-PIs	8	
9	Hillsborough County, FL	Gravitational Force and Mushroom Growth	2 Co-PIs, 6 Collaborators	5	X

10	University System of Maryland	Inhibition of *P. Aeruginosa* Biofilm Formation with Silver Impregnated Antimicrobial Silicone in Microgravity	2 Co-PIs	14	X
11	Fitchburg, MA	Effects of Microgravity on *Alcanivorax borkumensis*	2 Co-PIs	10	
12	Galloway, NJ	Spores in Space: The Effects of Microgravity on Endomycorrhizae	2 Co-PIs	14	X
13	Springfield, NJ	Which Type of Lettuce Seed Germinates Best in Microgravity	4 Co-PIs	7	X
14	Waterford, NJ	Galaxy Eggplants	3 Co-PIs, 2 Co-Is	6	
15	Rochester, NY	The Effect of Microgravity on the Deterioration of Chlorophyll in Phytoplankton	1 PI, 1 Investigator, 1 Collaborator	11, 12	
16	Concord, NC	Gravitropism of Radish Seeds in Microgravity	3 Co-PIs	7	X
17	Knox County, TN	The Removal of Blue-Green Algae Cells from Water in a Microgravity Environment	5 Co-PIs	8	X
18	Burleson, TX	Concrete Compressive Strength	4 Co-PIs	6	X – community representative only
19	Lewisville, TX	Effects of Microgravity on *Listeria innocua* Biofilm Formation	1 PI, 2 Co-Is	9, 10, 11	X – community representative only
20	Pharr, TX	How does Microgravity Effect the Growth of an Allium cepa Seed?	5 Co-PIs	11	X
21	San Antonio, TX	Chytrid Frog Fungus Survival in Space	3 Co-PIs	8	

1 Experiment from SSEP Mission 9 to ISS *Endeavor* Payload

22	Bullard, TX	Microgravity's Effects on *Solanum tuberosum* Resistance to *Phytophthora infestans*	2 Co-PIs, 2 Co-Is	9	

The Student Spaceflight Experiments Program [or SSEP] is a program of the National Center for Earth and Space Science Education (NCESSE) in the U.S. and the Arthur C. Clarke Institute for Space Education internationally. It is enabled through a strategic partnership with DreamUp PBC and NanoRacks LLC, which are working with NASA under a Space Act Agreement as part of the utilization of the International Space Station as a National Laboratory.

SSEP is the first pre- college STEM education program that is both a U.S. national initiative and implemented as an on-orbit commercial space venture.