

Space Propulsion & Power Platform (SP^3) 2024 SCHEDULE-AT-A-GLANCE*
MIT AERO-ASTRO
125 Massachusetts Ave | Cambridge, MA
** Subject to change: As of 08/20/2024*

Eastern Time	Monday, August 26, 2024	Location/Room
8:30 AM – 10:00 AM	Check-in	Bldg 17, Neumann Hangar
8:30 AM – 10:00 AM	Breakfast	Bldg 33, Seamans Lounge
10:00 AM – 11:00 AM	Kick-off, Schedule Review, Team Assignments, Instructor Introduction	Bldg 37, Classroom-212
11:00 AM – 12:00 PM	Problem Statement Introduction and Overview of Industry	Bldg 37, Classroom-212
12:00 PM – 1:00 PM	Lunch	Bldg 33, Seamans Lounge
1:00 PM – 5:00 PM	Rotations - Part I - High School Students	
1:00 PM – 2:15 PM	History of Moon Landers + Staging Math	Bldg 37, Classroom-212
2:20 PM – 3:35 PM	Tour + Break (snacks and beverages provided)	Bldg 33, Seamans Lounge
3:40 PM – 4:55 PM	Orbital Mechanics	Bldg 33, Classroom-116
5:00 PM	High School Student Dismissal	
1:00 PM – 5:00 PM	Rotations - Part I - Undergraduate Students	
1:00 PM–2:15 PM	Orbital Mechanics	Bldg 33, Classroom-116
2:20 PM – 3:35 PM	History of Moon Landers + Staging Math	Bldg 37, Classroom-212
3:40 PM – 4:55 PM	Tour + Break (snacks and beverages provided)	Bldg 33, Seamans Lounge
1:00 PM–5:00 PM	Rotations - Part I - Graduate Students	
1:00 PM–2:10 PM	Tour	Bldg 33, Seamans Lounge
2:10 PM–2:30 PM	Break (snacks and beverages provided)	Bldg 33, Seamans Lounge
2:30 PM – 3:40 PM	Orbital Mechanics	Bldg 33, Classroom-116
3:45 PM – 4:55 PM	History of Moon Landers + Staging Math	Bldg 37, Classroom-212
Eastern Time	Tuesday, August 27, 2024	
8:00 AM– 9:00 AM	Check-in	Bldg 17, Neumann Hangar
8:00 AM – 9:00 AM	Breakfast	Bldg 33, Seamans Lounge
9:00 AM – 12:00 PM	Rotations - Part II - High School, Undergraduate and Graduate Students	
9:00 AM – 10:20 AM	Introduction to Turbomachinery	Bldg 37, Classroom-212
10:20 AM –10:35 AM	Break	Bldg 33, Seamans Lounge
10:35 AM –11:55 PM	Introduction to Rocket Engines	Bldg 37, Classroom-212

12:00 PM – 1:00 PM	Lunch	Bldg 33, Seamans Lounge
1:00 PM – 5:00 PM	Rotations - Part III - High School Students	
1:00 PM – 2:15 PM	Introduction to Materials	Bldg 37, Classroom-212
2:20 PM – 3:35 PM	Introduction to Additive Manufacturing	Bldg 33, Classroom-116
1:00 PM – 5:00 PM	Rotations - Part III - Undergraduate and Graduate Students	
1:00 PM – 2:15 PM	Introduction to Additive Manufacturing	Bldg 33, Classroom-116
2:20 PM – 3:35 PM	Introduction to Materials	Bldg 37, Classroom-212
3:35 PM – 3:50 PM	Break (snacks and beverages provided)	Bldg 33, Seamans Lounge
3:50 PM – 4:55 PM	Industry Presentation (Blue Origin / Agile Space Industries)	Bldg 37, Classroom-212
5:00 PM	High School Student Dismissal	
Eastern Time	Wednesday, August 28, 2024	
8:00 AM– 9:00 AM	Check-In	Bldg 17, Neumann Hangar
8:00 AM – 9:00 AM	Breakfast	Bldg 33, Seamans Lounge
9:00 AM – 12:00 PM	Work Session on Water Rockets (high schoolers)	Bldg 17, Neumann Hangar
9:00 AM – 12:00 PM	Work Session on turbomachinery rigs (Undergraduate and Graduate Students)	Bldg 33, Gelb Lab
12:00 PM – 1:00 PM	Lunch	Bldg 33, Seamans Lounge
1:00 PM – 2:00 PM	Graduate Student Presentations	Bldg 33, Classroom-116
2:05 PM – 4:55 PM	Wind Tunnel + stability testing (High School Students)	Bldg 17, Neumann Hangar
2:05 PM – 4:55 PM	Work Session on turbomachinery rigs (Undergraduate and Graduate Students)	Bldg 33, Gelb Lab
5:00 PM	High School Student Dismissal	
Eastern Time	Thursday, August 29, 2024	
8:00 AM– 9:00 AM	Check-In	Bldg 17, Neumann Hangar
8:00 AM – 9:00 AM	Breakfast	Bldg 33, Seamans Lounge
9:00 AM – 12:00 PM	Final Touches	Bldg 17, Neumann Hangar
12:00 PM – 1:00 PM	Working Lunch	Bldg 33 Seamans Lounge
1:00 PM – 3:00 PM	Launch	Briggs field
3:00 PM - 3:30 PM	Break (snacks and beverages provided)	Bldg 33, Seamans Lounge
3:30 PM – 4:30 PM	Lightning Talks (Graduate Students)	Bldg 37, Classroom-212
4:30 PM – 5:00 PM	Closing Ceremonies	Bldg 37, Classroom-212
5:00 PM	Event Concludes	

High School Student Programming	Undergraduate Student Programming
Graduate Student Programming	Undergraduate + Graduate Student Programming
Meals	