



## FLL INTO ORBIT MISSION SCORING MATRIX

Mission	Scoring Condition(s)	Points
M01	SPACE TRAVEL Each payload clearly rolling down the SpaceTravel Ramp, independent by the time it reaches the 1st track connection	Vehicle cart: 22 Supply cart: 14 Crew cart: 10
M02	SOLAR PANEL ARRAY Both panels angled toward the same Field Your panel angled toward other team's Field	22 both teams 18
M03	3D PRINTING Brick ejected by Regolith Core Sample in Printer is... Completely in the Northeast Planet Area NOT completely in the Northeast Planet Area	22 18
M04	CRATER CROSSING All weight-bearing features of the equipment cross from east to west, completely between the towers and completely past the flattened gate	20
M05	EXTRACTION All 4 core samples no longer touching the axle of the Core Site Model Blue Water Core Sample is supported only by the Food Growth Chamber White Gas Core Sample is touching the mat and completely in Lander's Targer Area OR... White Gas Core Sample is completely in Base	16 8 12 10
M06	SPACE STATION MODULES Cone Module completely in Base Tube Module inserted into west Habitation Hub port Dock Module transferred into east Habitation Hub port	16 16 14
M07	SPACE WALK EMERGENCY Gerhard's body (excluding loop) is inserted into the Habitation Hub's Airlock Chamber	Completely In: 22 Partially In: 18
M08	AEROBIC EXERCISE Pointer tip advanced by moving handle assemblies... completely in orange or in orange end-borders completely in white completely in gray or in gray end-borders	22 20 18
M09	STRENGTH EXERCISE Strength bar is lifted so that the 4th hole is at least partly in view	16
M10	FOOD PRODUCTION Gray weight is dropped after the green, but before the tan color bar, only by movnig the Push bar	16
M11	ESCAPE VELOCITY Spacecraft launched to and remains at top of Launch Tower, only by pressing or hitting the Strike Pad	24
M12	SATELLITE ORBITS Any part of satellite on or above the mat between the 2 Outer Orbit lines	8 each
M13	OBSERVATORY Pointer tip advanced by moving handle assemblies... completely in orange or in orange end-borders completely in white completely in gray or in gray end-borders	20 18 16
M14	METEOROID DEFLECTION Meteoroid touching mat in the Meteoroid Catcher. Meteoroids must be clearly and completely released west of the Free-Line and clearly independent between release and coming to rest.	Center section: 12 each Side Sections: 8 each
M15	LANDER TOUCH-DOWN Lander is intact, touching the mat and completely in the Target Circle OR... Lander is intact, touching the mat and completely in the Northeast Planet Area OR... Both parts of the Lander are completely in Base	22 20 16
PENALTIES	Red Penalty Discs ( up to 6 )	- 3 each