



Team name and/or -number: \_\_\_\_\_

Round: \_\_\_\_\_

HANDS ON  
TECHNOLOGY

<b>M01</b>	<b>SPACE TRAVEL</b> * <i>each roll, cart must be independent by the time it reaches first track connection</i>				
	Vehicle payload rolled past first track connection*	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	Supply payload rolled past first track connection*	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	Crew payload rolled past first track connection*	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>M02</b>	<b>SOLAR PANEL ARRAY</b>				
	Both solar panels are angled toward the same field	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	Your solar panel is angled to other team's field	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>M03</b>	<b>3D PRINTING</b> * <i>due only to a regolith core sample in the 3D printer</i>				
	2 x 4-Brick				
	a) ejected* <b>OR</b>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	b) completely in northeast planet area*	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>M04</b>	<b>CRATER CROSSING</b>				
	All weight-bearing features of crossing equipment crossed completely between towers <b>AND</b>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	all crossing equipment crossed from east to west, completely past flattened gate				
<b>M05</b>	<b>EXTRACTION</b>				
	All four core samples no longer touching axle of core site model	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	Gas core sample				
	a) touching mat & completely in lander's target circle <b>OR</b>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	b) completely in base	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	Water core sample supported only by food growth chamber	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>M06</b>	<b>SPACE STATION MODULE</b> * <i>inserted modules must not touch anything except habitation hub</i>				
	Cone module is completely in base	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	Tube module is in west port of habitation hub*	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	Dock module is in east port of habitation hub*	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>M07</b>	<b>SPACE WALK EMERGENCY</b>				
	Astronaut "Gerhard" is in the habitation hub's airlock chamber	<input type="checkbox"/>	Completely	<input type="checkbox"/>	Partly
		<input type="checkbox"/>	No	<input type="checkbox"/>	No
<b>M08</b>	<b>AEROBIC EXERCISE</b> * <i>due only to moving one or both handle assemblies; if pointer is partly covering either grey or orange end borders, select that respective color</i>				
	Exercise Pointer tip is in ...	<input type="checkbox"/>	Orange	<input type="checkbox"/>	White
		<input type="checkbox"/>	Gray	<input type="checkbox"/>	None
<b>M09</b>	<b>STRENGTH EXERCISE</b>				
	Strength bar lifted so that tooth-strip's 4th hole is at least partly in view	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>M10</b>	<b>FOOD PRODUCTION</b> * <i>due only to moving the push bar</i>				
	Grey weight is dropped after green, but before tan*	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>M11</b>	<b>ESCAPE VELOCITY</b> * <i>due only to pressing/hitting strike pad</i>				
	Spacecraft stays up*	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>M12</b>	<b>SATELLITE ORBITS</b>				
	Satellites on/above the area between the 2 lines of outer orbit	<input type="checkbox"/>	3	<input type="checkbox"/>	2
		<input type="checkbox"/>	1	<input type="checkbox"/>	0
<b>M13</b>	<b>OBSERVATORY</b> * <i>if pointer is partly covering either gray or orange end borders, select that respective color</i>				
	The observatory pointer tip is in ...*	<input type="checkbox"/>	Orange	<input type="checkbox"/>	White
		<input type="checkbox"/>	Gray	<input type="checkbox"/>	None
<b>M14</b>	<b>METEOROID DEFLECTION</b> * <i>the meteoroid must cross from west of the free-line AND the meteoroid must be completely independent between the hit/release and scoring position</i>				
	Meteoroids touching the mat and in the center section	<input type="checkbox"/>	2	<input type="checkbox"/>	1
		<input type="checkbox"/>	0	<input type="checkbox"/>	0
	Meteoroids touching the mat and in either side section	<input type="checkbox"/>	2	<input type="checkbox"/>	1
		<input type="checkbox"/>	0	<input type="checkbox"/>	0
<b>M15</b>	<b>LANDER TOUCH-DOWN</b>				
	Both parts of the lander are completely in base <b>OR</b>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
	Lander is intact and touching the mat in ...	<input type="checkbox"/>	Target circle	<input type="checkbox"/>	NE-planet area
		<input type="checkbox"/>	None	<input type="checkbox"/>	None
<b>P</b>	<b>PENALTIES</b>				
	Penalty discs in the southeast triangle	<input type="checkbox"/>	6	<input type="checkbox"/>	5
		<input type="checkbox"/>	4	<input type="checkbox"/>	3
		<input type="checkbox"/>	2	<input type="checkbox"/>	1
		<input type="checkbox"/>	0	<input type="checkbox"/>	0

Signature/Token: Referee \_\_\_\_\_ Team \_\_\_\_\_