

FIRST® LEGO® League Scoring Sheet - INTO ORBIT
 Powered by Jared Hasen-Klein's Resource Hub - fl18.jaredhk.com

M01 – Space Travel

Start each payload rolling down the ramp

Vehicle Payload	Yes / No	22 pts.
Supply Payload	Yes / No	14 pts.
Crew Payload	Yes / No	10 pts.

M02 – Solar Panel Array

Angle your solar panel towards the opposite field

Your panel angled towards other field	Yes / No	18 pts.
Both panels angled towards same field	Yes / No	22 pts.

Bonus: Other team also gets 22 points

M03 – 3D Printing

Eject the 2x4 brick by placing the Regolith into the printer

Ejected...	Yes / No	--
& partly in the Northeast Planet Area	Yes / No	18 pts.
OR & fully in the Northeast Planet Area	Yes / No	OR 22 pts.

M04 – Crater Crossing

Cross from East to West past the flattened gate

Crossed completely between the towers	Yes / No	18 pts.
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M05 – Extraction

Manipulate the core samples

Move all four core samples off of axle	Yes / No	16 pts.
Gas sample touching mat in Lander's Circle	Yes / No	10 pts.
OR Gas sample completely in base	Yes / No	OR 12 pts.
Water sample supported by Food Growth Chamber	Yes / No	8 pts.

M06 – Space Station Modules

Move and insert the space station modules

Cone Module completely in base	Yes / No	16 pts.
Tube Module into west side of Habitation Hub port	Yes / No	16 pts.
Dock Module into east side of Habitation Hub port	Yes / No	14 pts.

M07 – Space Walk Emergency

Move Gerhard's body into the Habitation Hub's Airlock Chamber

Body partly in chamber	Yes / No	18 pts.
OR Body fully in chamber	Yes / No	OR 22 pts.

M08 – Aerobic Exercise

Advance the Exercise machines pointer using the handle assemblies

Pointer completely in orange (or on orange border)	Yes / No	22 pts.
OR Pointer completely in white	Yes / No	OR 20 pts.
OR Pointer completely in gray (or on gray border)	Yes / No	OR 18 pts.

M09 – Strength Exercise

Lift the strength bar

Strength bar lifted, strip's 4th hole in view	Yes / No	22 pts.
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M10 – Food Production

Spin the food growth chamber's colors using the push bar

Gray weight dropped after green but before tan	Yes / No	16 pts.
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M11 – Escape Velocity

Get the spacecraft to stay up by pressing the strike pad

Spacecraft is up	Yes / No	24 pts.
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M12 – Satellite Orbits

Move Satellite Parts

How many satellite parts are between the two lines? _____ 8 pts.each

M13 – Observatory

Move pointer tip

Pointer completely in orange (or on orange border)	Yes / No	20 pts.
OR Pointer completely in white	Yes / No	OR 18 pts.
OR Pointer completely in gray (or on gray border)	Yes / No	OR 16 pts.

M14 – Meteoroid Deflection

Send meteoroids over the free line to touch the mat in the Meteoroid Catcher

How many meteoroids in the center section? _____ 12 pts.each
 How many meteoroids in either side section? _____ 8 pts.each

M15 – Lander Touch-down

Move the lander

Make Lander in tact, touching mat in Target Circle	Yes / No	22 pts.
OR Make Lander in tact, touching mat in Northeast Planet Area	Yes / No	OR 20 pts.
OR Move both parts of Lander completely in Base	Yes / No	OR 16 pts.

P01 - Penalties

Match/Round

Total Score

Signature

			pts.	
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-3 points each

Missions - penalties