

International Space Station Mission: _____
Design Team: _____

Your mission is to create a new fully functional module for the International Space Station. Your first objective is for your group to name the mission and fill it in above.

This will be a 2D drawing and you will use Ozobot to traverse it as an astronaut (or alien) in space would. Don't forget Ozobot could go any direction at intersections!

Next you will choose a geometric shape for your main module canister and draw it on your paper. Be sure you leave room for all your other components.

You will then roll the dice to determine what components will go on your module. You will complete a total of 6 rolls/tasks. You may add anything else you like for Ozobot to do but must include the 6 tasks rolled. Use the tables below to circle which tasks you rolled!

Blue - Dice Roll #1

Talk it out! Add a satellite dish to communicate with Ground Control	Really Truss it Up! Add 2 sets of parallel Lines to connect components	Crazy Russian Hacker Time! Add 2 satellite dishes to watch YouTube	It's Getting Hot in Here! Add a hexagon panel to cool it down	All Aliens ABOARD Add 2 geometric concepts of your choice	Triangular Truss Up! Add a triangular beam to connect components
Truss it Up! Add a set of parallel lines to connect components	Up, Up and Array! Add a pair of quadrilateral array panels	Alien's WILD Add a geometric concept of your choice	Totally Triangular Truss! Add 2 triangular beams to connect components	We come in peace... Add a geometric shaped landing pad for visitors	Node one Knows! Add a circular node with a diameter of 8cm

Red - Dice Roll #2

3rd Rock From the Sun! Hurry up and get moving, it's hot outside!	Machine or Man? Add a robotic arm with an obtuse angle	To the Moon and Back and to the Moon Again! Better turn around with a couple of U-turn codes!	Stop and Smell the Asteroids Pause and enjoy the view	Can't Stop this Feeling! Dance it UP with a spin!	Astronauts ABOARD Add 2 codes of your choice
Man in the Moon Cruise by the Man in the Moon	When in Space.... Moonwalk!	Don't Float Away! Line jump to another component	Astronaut's WILD Add a code of your choice	Man or Machine? Add a robotic arm with an acute angle	To the Moon and Back! Better turn around with a U-turn code!

Blue - Dice Roll #3

Talk it out!	Really Truss it Up!	Crazy Russian Hacker Time!	It's Getting Hot in Here!	All Aliens ABOARD	Triangular Truss Up!
Truss it Up!	Up, Up and Array!	Alien's WILD	Totally Triangular Truss!	We come in peace...	Node one Knows!

Red - Dice Roll #4

3 rd Rock From the Sun!	Machine or Man?	To the Moon and Back and to the Moon Again!	Stop and Smell the Asteroids	Can't Stop this Feeling!	Astronauts ABOARD
Man in the Moon	When in Space....	Don't Float Away!	Astronaut's WILD	Man or Machine?	To the Moon and Back!

Blue - Dice Roll #5

Talk it out!	Really Truss it Up!	Crazy Russian Hacker Time!	It's Getting Hot in Here!	All Aliens ABOARD	Triangular Truss Up!
Truss it Up!	Up, Up and Array!	Alien's WILD	Totally Triangular Truss!	We come in peace...	Node one Knows!

Red - Dice Roll #6

3 rd Rock From the Sun!	Machine or Man?	To the Moon and Back and to the Moon Again!	Stop and Smell the Asteroids	Can't Stop this Feeling!	Astronauts ABOARD
Man in the Moon	When in Space....	Don't Float Away!	Astronaut's WILD	Man or Machine?	To the Moon and Back!

- All 6 Dice Tasks (60 points)
- Presentation Neat and Organized (20 points)
- All Members Working Together (10 points)
- One Rubric Completed per Group (10 points)
- Total Points/Grade