MATERIALS LIST

Note: ALL MATERIALS LISTED HERE ARE IN ADDITION TO NXT MINDSTORMS ROBOT KITS.
The materials listed below are used to help create the Terraformers Robocamp. Building instructions for the gameboard base are available in the Vault section. For extra durability, use card stock for the paper props. A few of the paper props require 'legal' sized paper.

	Type	Quantity	Length	Cut Length
LEGO Team Base Set 9797	Mindstorms	1	-	-
Cardboard tube	Paper towel	1	8"	3"
Ping-pong ball	Standard	1		cut in half
Electrical tape	Several rolls	Black, other colors	-	-
Tile/Mylar board	Flat boards	2	4 x 8'	4 x 4'
Tile/Mylar board	Flat board	1	4 x 8'	4' x 8'

Use the Pantheon Mission links as references for building props and the gameboard.

The LEGO Team Base Set 9797 is used to create these props: the Flag, the 'Thor' Rock Pulverizer, the Fumarole Sensors, the Water Tender, the Solar & Satellite Stations. Paper theming is used to embellish these props. Building Instructions for LEGO-based props and robot actuators are available in the 'Robots' section of the Entropy links. You can substitute your own design for any prop as long as it serves the same purpose.

The Cardboard tube is used in creating the Water Tender. Reference the 'Planetcam' photo in the Lake Mission to study how it is used. Two halves of a ping-pong ball are used to make the rounded end caps.

Colored Electrical Tape is used to define roads, the start area, and designate other mission-associated areas. Study the Task and Mission pages as a suggestion for colors. Dark colors should be used where robots will be line-tracking.

The Tile/Mylar board is used for the main gameboard. If desired, additional boards can be cut in half and used for the smaller "Moon" board missions.

We suggest creative use of props and embellishments. As long as campers have an 'even playing field', and everyone faces off on the same or equivalent boards, the scoring will be fair. Be wary of producing a practice table with specifications that do not match the 'Game Day' table.