

Wacky Science: Magnificent Moon Rovers



Supplies/ Area Needed:

- Campers will be broken up into equal groups of 2-3 for this experiment/activity
- Have space for each group, to have a “Creation Station” set up with a table and all of the supplies needed to conduct the activity.
- High area to drop “Moon Rovers”. This could be balcony with tarp on the ground in case the egg breaks or a tall ladder to use outside.
- Straws, tape, panty hose, cotton balls, grocery bags, Q-tips, toothpicks, rubber bands, tissues, yarn, popsicle sticks, packing peanuts, cardboard, duct tape, 1 egg per 2-3 campers

Instructions:

1. Campers will be tasked with designing, constructing, and building a Magnificent Moon Rover to safely return from the Moon with precious, valuable Moon Craters.
2. Break Campers up in to equal Teams and let them know that they are to work as a team to accomplish their mission.
3. Show the Campers an egg and ask them if you were to drop it, what would cause it to fall to the ground and crack? That’s right, Gravity!
4. Have Campers begin looking at the supplies laid out in front of them. Give them an allotted amount of time to work together to build a Moon Rover that will (hopefully) safely carry the “Moon Craters” (eggs) from the Moon back to ground.
5. Moon Rovers must be durable, safe, and designed to protect the Moon Crater at all costs.
6. After the time set of working together to build and construct their Moon Rover, Campers must stop building. It’s testing time!
7. Have each Team of Campers step up to the designated launching area and drop their egg.

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Instructions:

5. Once finished, celebrate the creativity of the Teams and especially reward/congratulate any teams that successfully dropped the Moon Rover without cracking the egg.

