

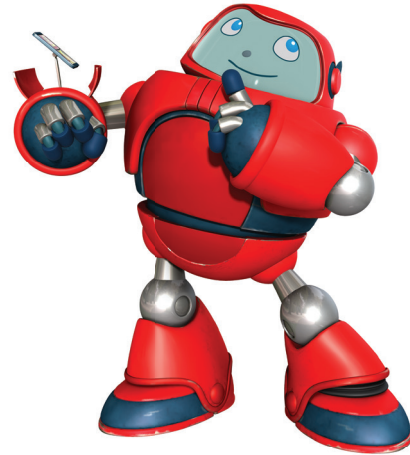
STEM ACTIVITY

PHILIP

Total Time: Approx 20 minutes
In Class Time: 10 minutes

You will need:

- Mini marshmallows (10–20 per student)
- Toothpicks
- Place-mats or tablecloths (for easy cleanup)
- Masking tape
- Permanent marker



STEP 1: Cover surfaces with place-mats or tablecloths.

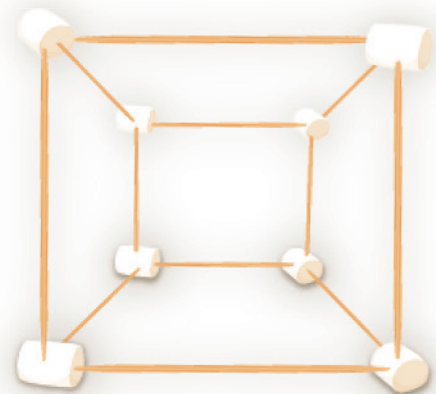
STEP 2: TEACH: Professor Quantum and Professor Marshall created a system using virtual reality and real world drones to create homes for the needy. We don't have virtual reality in the classroom, but we can practice building homes in our environment on a much smaller scale.

STEP 3: Pass toothpicks and marshmallows out to each student.

STEP 4: Demonstrate how to build a structure using the toothpicks as framework and the marshmallows as anchors.

STEP 5: Allow children to build as time allows.

STEP 6: If children would like to take structures home, label with masking tape and marker.



EXPLAINING THE SCIENCE:

Virtual Reality: Virtual reality, or VR, is an artificial environment created with computer software and shown to the user in a 3D, or 3 Dimensional, way through sight and sound. The user typically uses a headset, which allows them to see images both in front of them and to the sides, or peripherals. This helps the viewer to suspend belief and accept the virtual environment as a real environment.