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City Center

Residential Buildings



Residential Zone

There would be a system of buildings spread throughout the city that are all easily walkable through tunnels and tubes. This enables easy movement between buildings anytime. In case people need to travel to a place that is not connected, there will be transportation systems kind of like the train system here on Earth.



Commercial Zone

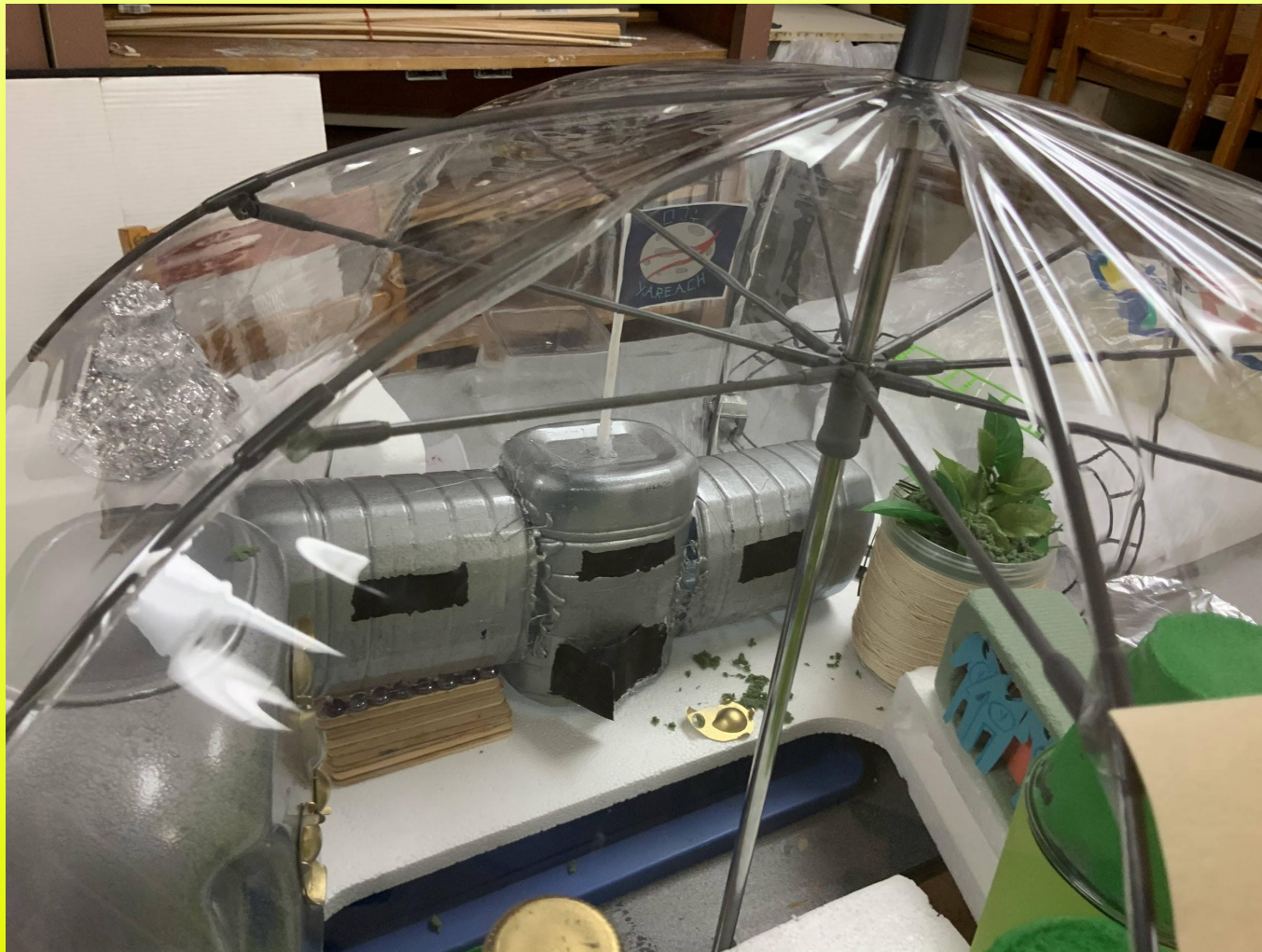
Our commercial zone has government buildings, hospitals, a Lunar Cafe, and family-friendly community center.





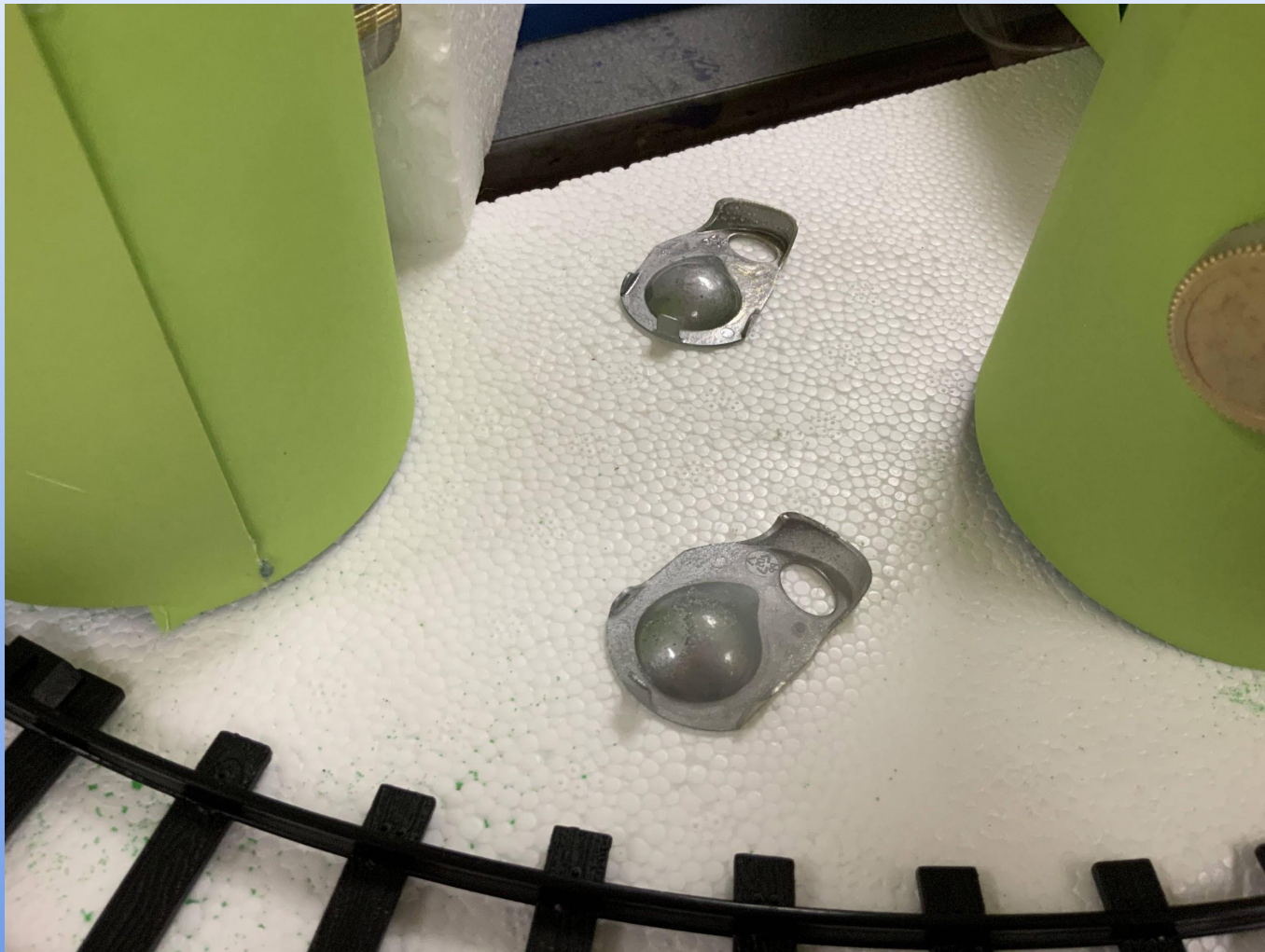
Industrial Zone

The Industrial Zone includes many important service buildings. One of these is the hydroponics plant that grows food using a 24 hour lighting system. It has a 3d printing facility and a landing pad where ships can connect from Earth.



Infrastructure Example #1

The dome is an integral part of the city, because it creates and maintains Earth conditions of atmosphere and gravity.



Infrastructure

Example #2

Throughout the dome are air filters, to maintain the proper levels of clean oxygen in the building.



City Services Example #1

This is our school.

Attached to it is a gym, art
facility, and a daycare

facility. The religion

centers are also attached
to this building,



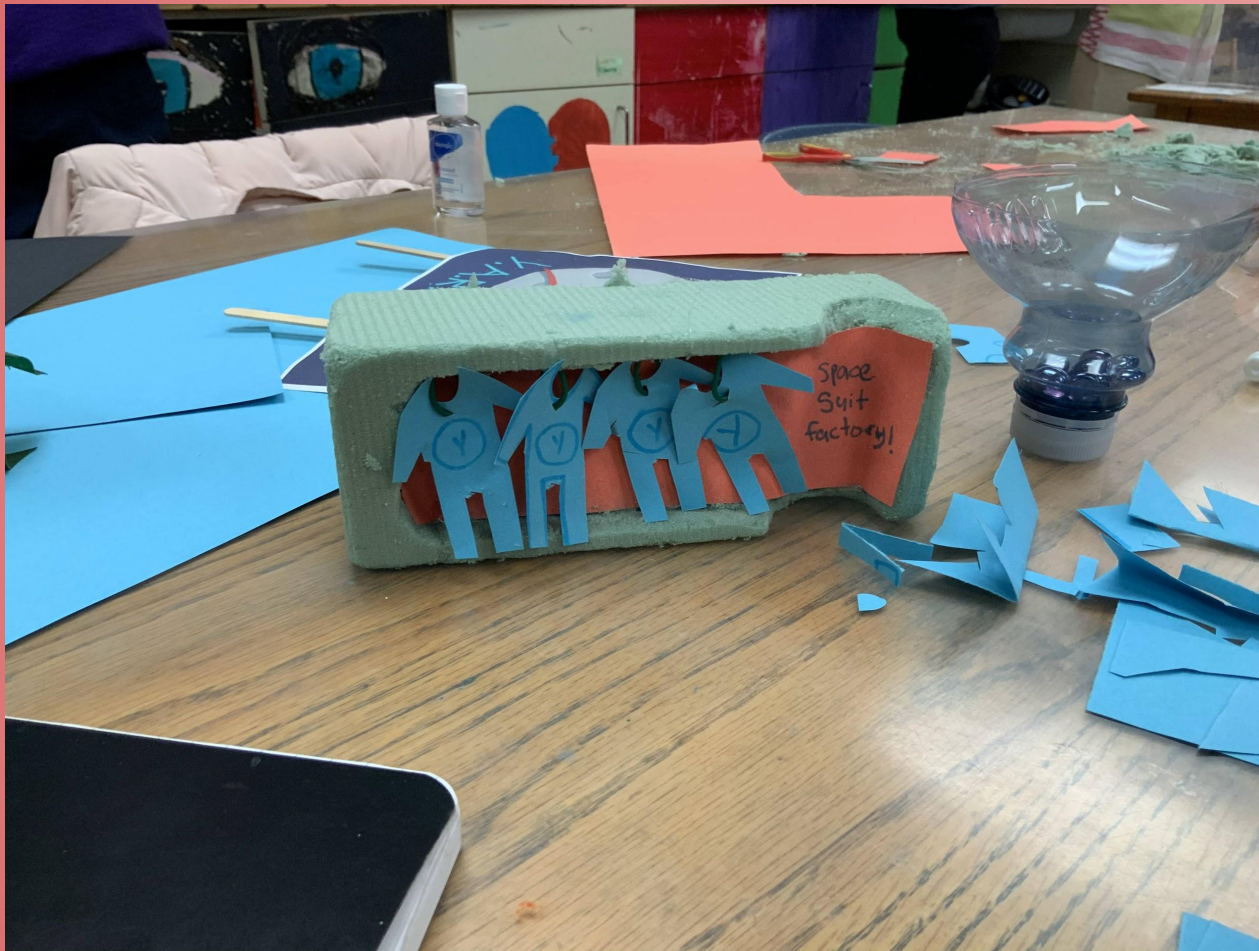
City Services Example #2

This is the doctor and dentist's office. It is the place to go if you need medical attention.



Transportation

This train connects all Yareach citizens to any building they might need to go to. It runs 24 hours a day, 7 days a week. It completes the circuit every 15 minutes.



Living on the Moon Example #2

Scientists have the ability to go outside the dome to do deep-space research. This is where the spacesuits will be stored for the scientist's use, and where they will be returned after.



Living on the Moon Example #2

This is the observatory.

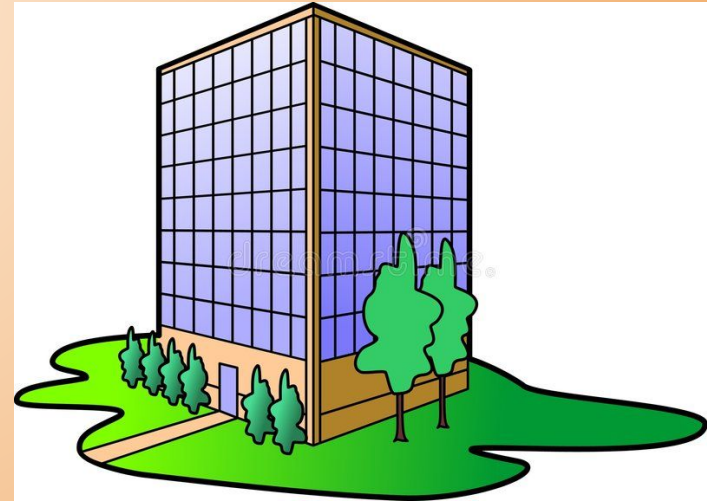
People can go here for research or to simply watch the stars. This is a family friendly city with lots to do.

Section II

Build It: Quality, Scale, and Materials

Scale

The scale used to build our city model: 1 inch = 2 feet. The city was built inside a flooded moon crater to give protection to the city dome, so it does not have to rise as far above the moon surface.





Innovative Material and Use Example #1

The umbrella is made of clear glass harvested from the silicon of the regolith. It is a great example of the dome maintaining the proper atmospheric pressure on the Moon.



Innovative Material and Use Example #2

Recyclable
materials including
styrofoam, water
bottles, and other
materials destined
for the landfill.





**Take a rocket ride to
our futuristic city!**