



# 2021-2022 City Model Slideshow

School/Organization: **Collingswood Middle School**

Educator Name: **Mr. Meyers**

Future City Team Name: **Novaway**

**Delete all PURPLE text before submitting the slideshow for judging. Keep text that is black.**

# Deliverable Details/Requirements

- This slideshow is your chance to present your model. Whether your team created a single model or multiple segments, here is where you show off the future city you designed to the judges.
- Choose photos of the various segment(s) that best show the requested content. Where noted, you can put one (1) or two (2) photographs of your team's work. The photos can take up as much space on the slide as you like, as long as they do not cover the slide title (upper left) or the text block descriptions on the right of the slide. More than two photographs are not permitted per slide. Collage images with more than two photos are not permitted.
- Do not change the size of text boxes in this template. All written text must fit within the boxes and *cannot* be smaller than size 14 in Calibri (or equivalent) font.
- When finished, save the slideshow as a PDF and upload to the Educator Dashboard at [FutureCity.org](https://FutureCity.org).
- Review the 2021-2022 Program Handbook for a full list of rules and requirements.

**Section I**  
**CITY DESIGN**



# Residential Zone



What is important for the judges to know about your residential zone?:

In our residential zone, we have solar panels on top of every roof, and there is a variety of housing to live in. We have apartment buildings, condos, row homes, and twin houses, and there is a garden in the center of it all. It is important to us to have eco friendly houses where electricity is not wasted, and nature is important.

# Commercial Zone

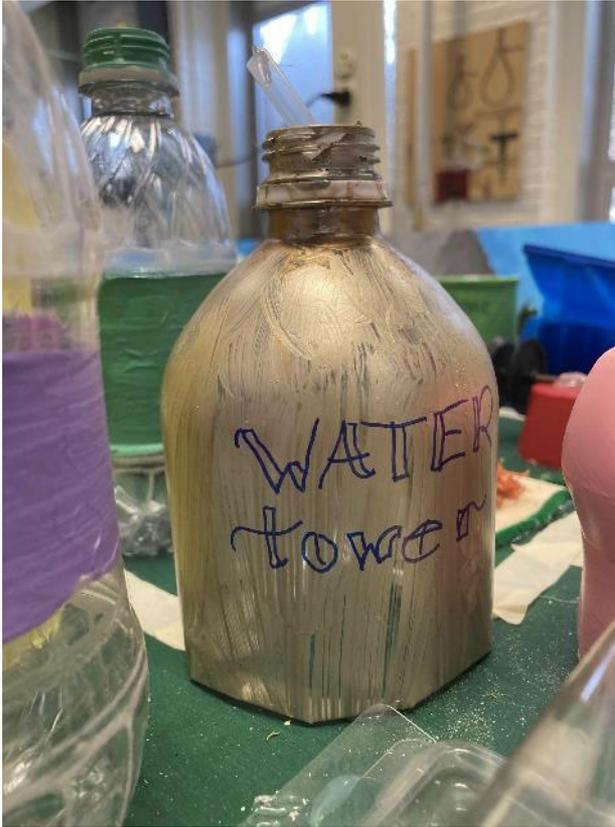


What is important for the judges to know about your commercial zone?:

We want our citizens of Novaway to be entertained, and have all the necessities they need. Some of our commercial zone includes an aquarium, the novaway mall, the gym, the pool, the Nova Market, a few shops and restaurants, and the planetarium.



# Infrastructure Example 1



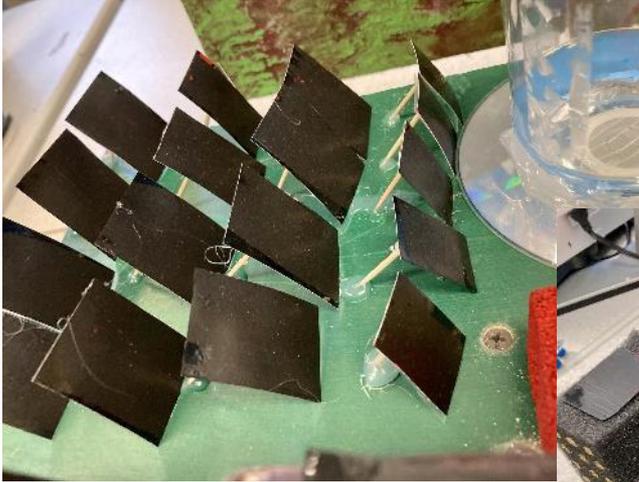
What type(s) of infrastructure are shown here (water, power, utilities, etc.)?:

Shown here is the water tower for Novaway.

How are these related to the realities/challenges of a Waste-Free City?:

Our water tower collects rainwater, and filters it out to make clean water. In the occurrence that there is too much water for the tower, we can give the extra to neighboring cities.

# Infrastructure Example 2



What type(s) of infrastructure are shown here (water, power, utilities, etc.)?:

Shown here are our solar panels, which are set on the outskirts of our city.

How are these related to the realities/challenges of a Waste-Free City?:

These are related to a waste-free city because they provide natural power from the sun to power homes and buildings, instead of using coal. Everyone gets provided with their own power source, but there is a city-wide power source for anyone who needs extra power.

# City Services Example 1



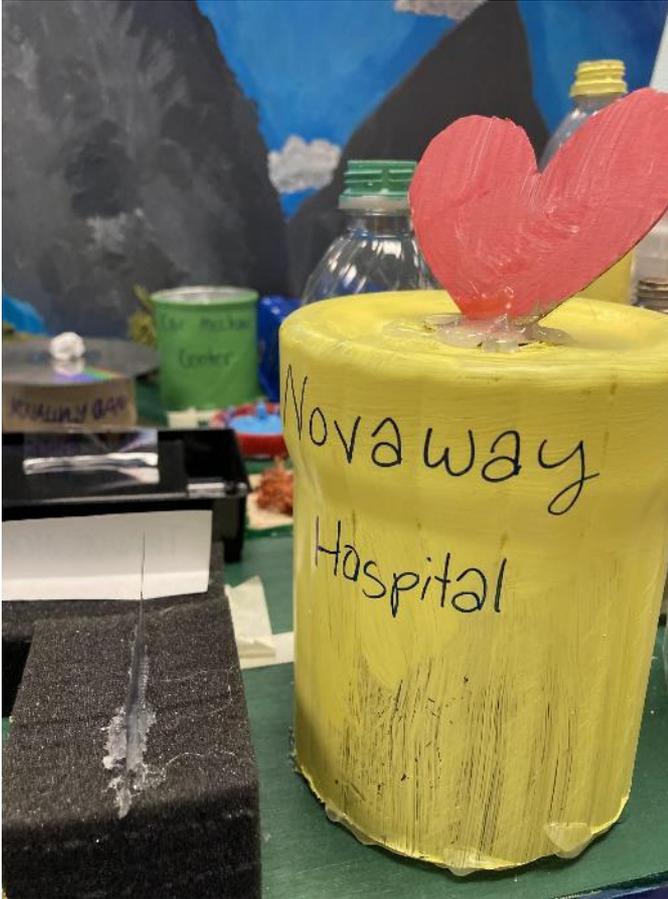
What type(s) of city services are shown here (health, education, etc.)?:

One example of city services is our education services.

What do you want the judges to know about your city's operations?:

The elementary, middle, and high school are all connected, and everyone has access to a city provided planetarium. Everyone is accepted into this school, and there are many solar panels to provide the schools with power, preventing a blackout.

## City Services Example 2



What type(s) of city services are shown here (health, education, etc.)?:

This is our hospital.

What do you want the judges to know about your city's operations?:

Our hospital provides healthcare to everyone, regardless of their social status. The heart on top of it makes everyone feel welcome.

We specialize in children's healthcare, and we have amazing doctors who truly care about the patients. This hospital is also for ordinary well visits, as this is the only healthcare facility in the city.

# Transportation Example 1



What type(s) of transportation systems are shown here?:

Bikes

What do you want the judges to know about your transportation system(s)?:

It's just your everyday bicycle, a simple and familiar transportation system. Modify it to your liking in the Nova Bikes store and have fun!

# Transportation Example 2



*Bubble Car*

What type(s) of transportation systems are shown here?:

This is our underground subway entrance and bubble car.

What do you want the judges to know about your transportation system(s)?:

Our subway entrance connects to the underground subway where all of our bubble cars are. People can walk into it, hop in their car, and get moved around underground the city.

# Principles of a Circular Economy in Action - Example 1



What is important for the judges to know about this element of your circular economy solution?:

These are our composters, which recycles food waste. More specifically, it can recycle food like egg shells, fruit, and vegetables. You can't compost down meat bones, unfortunately. Instead of food waste going into landfills and taking a while to compost down, the composters are a specific place for waste. All the compost, once it's turned into dirt, can be put into our garden. It will improve the plant's health as the new soil will be very nutritious for the plants.

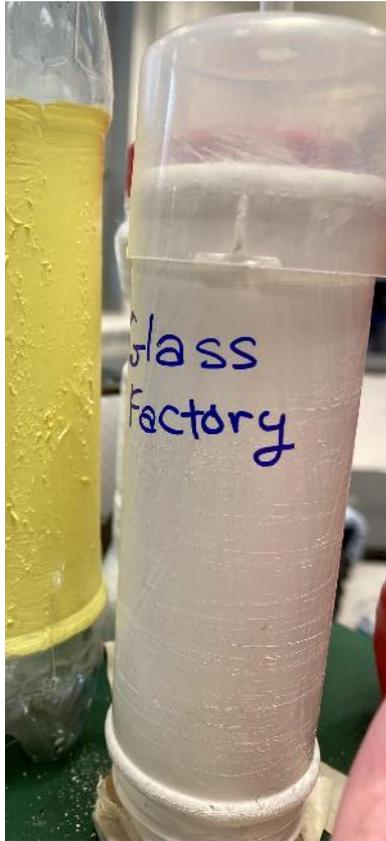
# Principles of a Circular Economy in Action - Example 2



What is important for the judges to know about this element of your circular economy solution?:

In Novaway, we use windmills to produce energy instead of toxic power plants. With the combination of the windmills and the solar panels there is enough energy for everyone. The windmills mostly provide power for the businesses, while the solar panels mostly provide power for the homes and apartments.

# Principles of a Circular Economy in Action - Example 3



What is important for the judges to know about this element of your circular economy solution?:

We have a glass factory, so we can grind up used glass and other materials to make more glass, which is better for the environment. Instead of using plastic, you can use glass, which can be reused if it breaks. We will also have glass that is coated in silicone, so it is less likely to break.

## **Section II**

# **BUILD IT: QUALITY, SCALE, AND MATERIALS**

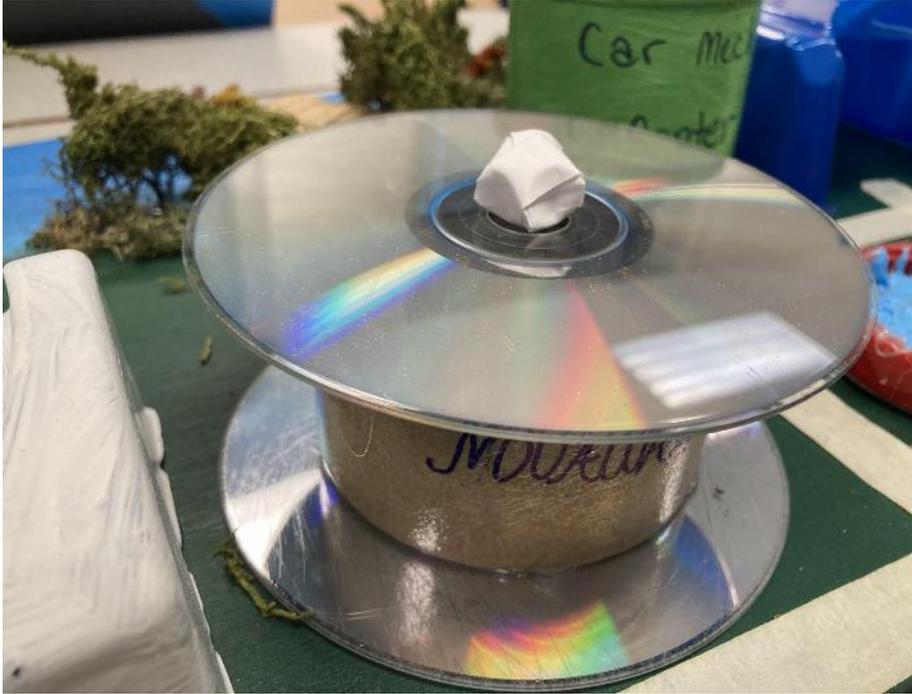
# Innovative Material & Use Example 1



Choose a recycled or reused item and describe how you used it creatively in your model:

We used cardboard egg cartons for the small houses, and painted them different colors.

# Innovative Material & Use Example 2



Choose another recycled or reused item and describe how you used it creatively in your model:

We used CDs in two different ways. We used it to make the Novaway Bank, and for the base of the wheel for our moving part.

# Innovative Material & Use Example 3



Choose another recycled or reused item and describe how you used it creatively in your model:

We used toothpicks to make our playground and bridge. In our playground, we have a slide, swings, and money bars. The use of toothpicks works great for our playground and bridge because they are small and easy to cut.

# Example of Scale



The stick figure is  $\frac{1}{2}$  inch so about 5 feet tall in real life.



Scale used in model (e.g., 1"= 10', or 1"=22'):

$$1'' = 10'$$

## **Structure 1**

What type of structure is this?:

*Residential Condo House (left)*

What size is the structure on the model?:

*1½ inch*

What size would this structure be in real life?:

*15 feet*

## **Structure 2**

What type of structure is this?:

*Municipal, Town Hall (Right)*

What size is the structure on the model?:

*2 inches*

What size would this structure be in real life?:

*20 feet*

# Moving Part

- **Team Educators:** Don't forget to include the link to your team's moving part video in your Educator Dashboard submission section.
- **Judges:** Watch and review the moving part video from this team in your Judge Dashboard.

## Video Details:

- The video must be posted as to be publicly available for judges to access on either YouTube or Vimeo.
- Video cannot exceed 1 minute.
- Teams need to mention their city/team name in the video.
- Teams must show the moving part in action.
- In the video, share what role the part plays within the city and how your team built it.

<https://www.youtube.com/watch?v=enCJe8>

[xRUHA](#)

Our moving part-

## **Section III**

# **JUDGE ASSESSMENT OF MODEL**

# Futuristic Technology Example 1



What is important for the judges to know about this example of technology?:

Oriana, our air-filter, filters the air of the glass factory to make it waste-free. Oriana filters out all of the unclean air and makes it into fuel, to continue using it. With any extra unclean air, Oriana purifies it and releases it.

# Futuristic Technology Example 2



What is important for the judges to know about this example of technology?:

We use bubble cars that are underneath the city for our main transportation, it does not pollute the air like normal cars do, and uses futuristic technology to move and take people from place to place.