



2021-2022 City Model Slideshow

School/Organization: Holy Rosary Regional Catholic School

Educator Name: Rae Morrow

Future City Team Name: New Boston

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.
- 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?:

All the residents of New Boston live in apartments. The apartments are very inexpensive, but they are high quality. Apartment buildings have rooftop gardens. There is an elementary, a middle, and a high school in the New Boston School District. There are two private schools, New Boston Academy for Girls and New Boston Academy for Boys. The buildings are closer together so many people walk and ride their bikes around the city.

Commercial Zone



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

Our community has a hospital, police department, fire house, insurance company, grocery store, phone store, department store, utility company, television station, radio station, hair salon, construction company, bank, and post office. The city has public transportation to be able to move around the city easily.

There is also a farm on the outskirts of the city. All of these facilities and businesses are paperless and use biodegradable materials. Any material that is not biodegradable is able to be recycled.

Industrial Zone



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

In this zone, there is a recycling facility and a construction company. There is also a food processing plant that uses biodegradable packaging. All of our factories and warehouses are in this area. Items are shipped in and out of this area by boat or by truck.

Infrastructure Example 1

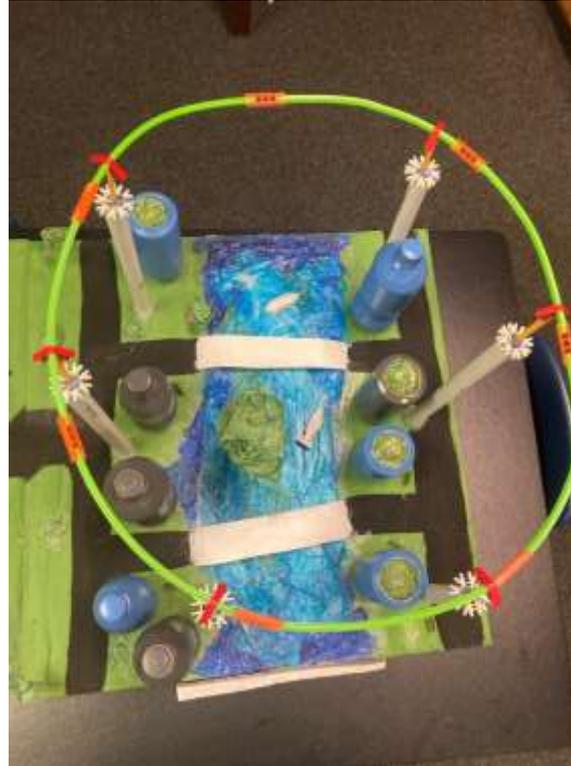


What type(s) of infrastructure are shown here (water, power, utilities, etc.)?:

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

Our city uses solar panels, wind turbines, and a dam for hydropower to produce. These energy sources do not pollute our environment. All of these things are away from the city where there is open space. We do not need to damage the Earth to get fossil fuels.

Infrastructure Example 2



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

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

We have a monorail for public transportation. It is powered by electricity. Our monorail goes through the entire city. It has many stops for easy access. Our electricity comes from wind turbines, hydroelectric from the river, and solar panels. These are green forms of energy and do not create pollution or damage the environment.

City Services Example 1



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

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

All of our government officials are voted in by a majority. We have a mayor and a city council. The government and the citizens work together to make laws and improvements. People are fined in the city if they do not follow the laws. For example, plastic bags not allowed to be used in our city. A person or business will be fined if they use them.

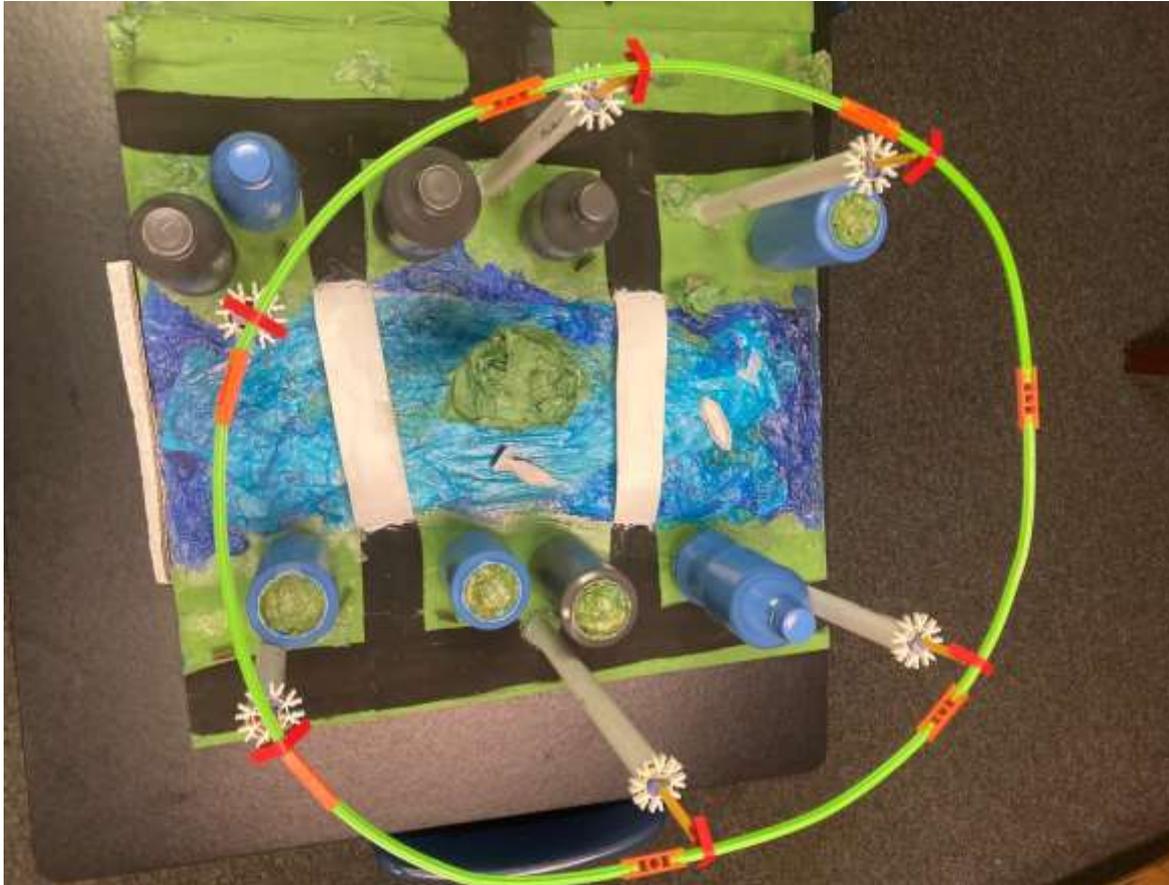
City Services Example 2



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

All of our city services are top notch. Our hospital has the best cardiology department in the state. Our schools guarantee an ivy league education and our sports are division one. We have the best teachers and programs that help the students learn and grow. New Boston on of the safest cities. Our police officers and fireman are trained in emergency response and medicine. Our police and fire departments are in our municipal building with the government officials.

Transportation Example 1



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

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

There is a public transportation system in New Boston. It is an elevated monorail. We have electric cars or trucks for people that need to travel long distances. Most people get around by riding bikes, skateboards, scooters, and roller skates. None of these devices have a motor, they are all self-propelled.

Transportation Example 2



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

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

Our river is also used for transportation. People travel up and down the river using row boats. Goods are also transported along the river. The water is clean, so you can swim from one side to the other. We have two bridges so people and vehicles can cross the river.

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?:

New Boston conserves natural resources. We only use what we need. If a business or person has something that don't need anymore, they will give it to someone who can use it. All of our materials are plant-based, biodegradable, or recyclable. We recycle glass and metals. We always reduce, reuse, and recycle.

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?:

We also have a recycling facility. We recycle glass and metals. We collect and recycle all the materials that are not biodegradable so they are not thrown away as trash. Each of these materials are melted down and turned in a different product that can be used by the community.

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 grow our own food and raise animals at our farm.

We use the agricultural waste from our farm to make bioplastics. All of our plastics are reusable and biodegradable. We do not have any single use items in our city, like straws and takeout containers. Also all of our clothes and shoes are made from plant-based materials. They are also biodegradable.

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 pieces of tissue paper from gifts bags to create a body of water. We used mod podge paste the pieces together. The leaves on the trees are made from ripped tissue paper pieces left over from the river.

Innovative Material & Use Example 2



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

We used painted cans and bottles from the recycling bin to create buildings. We also used cardboard from the boxes and the back of theme tablet books to create bridges, boats, and smaller buildings. We used the small discarded pieces of cardboard to make tree trunks.

Innovative Material & Use Example 3



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

We used PVC pipe for monorail structures. This was extra material from a different project. We needed something that was strong enough and stable enough to hold up our monorail made of K'Nex pieces. It needed to be something that could also be higher than the buildings so our monorail would not hit them.

Example of Scale



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

We used quarter scale (1:48) for our model.

Structure 1

What type of structure is this?:
apartment building

What size is the structure on the model?:

5 inches

What size would this structure be in real life?: 240 inches or 25 feet tall

Structure 2

What type of structure is this?:
apartment building

What size is the structure on the model?:

6.25 inches

What size would this structure be in real life?: 300 inches or 20 feet tall

Moving Part

- **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.

Link to moving part video.

<https://youtu.be/ZtKoPLemoPM>

Section III

JUDGE ASSESSMENT OF MODEL

Futuristic Technology Example 1



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

Each apartment has SMART home technology. Each apartment has their own artificially intelligent home assistant, similar to Alexa. It is voice activated. Our home assistant is called Sam. Sam can control all aspects of the living space, like the locks, lights, temperature, and appliances. All residents can also ask Sam any question. This device can be used to order any supplies. It can also be accessed through any electrical device throughout the city.

Futuristic Technology Example 2



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

Our city strictly uses futuristic materials in order to maintain a waste-free society. Our solar panels provide electricity to our city. Biodegradable materials are used so that no chemicals or harmful materials are introduced into the environment. The city's river includes a dam which is used as a backup supply for electricity, providing hydroelectricity. The monorail is built on magnets and it hovers over the city providing transportation.

Our Team

