



# 2021-2022 City Model Slideshow

Pottsgrove Middle School

Mrs. Frasca

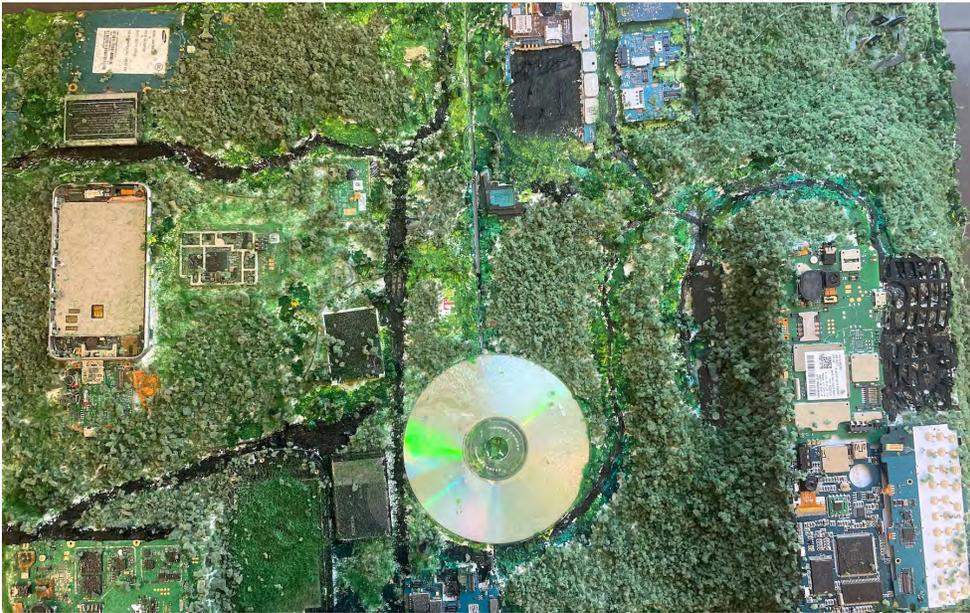
Bobb City:

## 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?:

We have housing developments for families, townhouses for smaller groups, an area for the elderly, and housing for the economically disadvantaged. Backyard gardens are outside of most households and some on roofs of buildings. With electric fireplaces too, the houses of Bobb city are healthy for everyone.

# Commercial Zone



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

The judges should know that in Bobb City you can work at schools as a teacher, principal, assistant, etc. Our first responders will always be ready to help and support the citizens of Bobb City. Our surgeons and nurses keep the occupants of Bobb City healthy and safe while the police and firemen stop crime and rescue the people of Bobb City. We have many jobs and shops in the city, like our mall where you can work or shop. We also have movie theaters, restaurants, fast food places, etc.

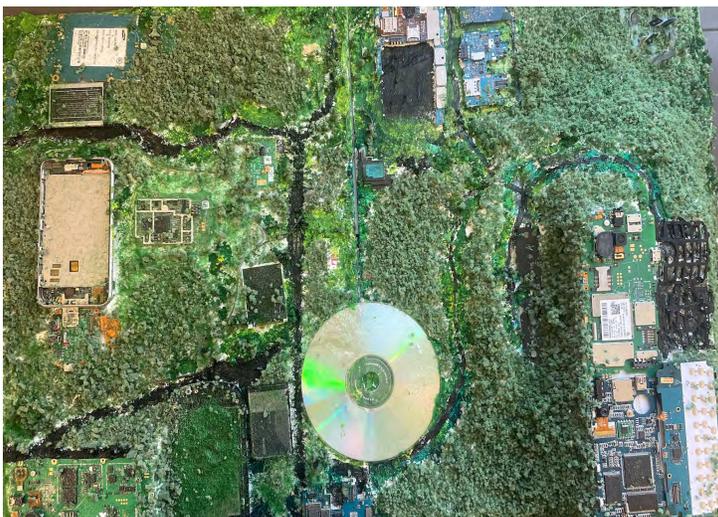
# Industrial Zone



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

Bobb city has an area for the factories that help keep the city environmentally friendly. One of the factories is used for where we keep the energy that was harvested from the phones and wind turbines. Another factory is where the fruit peels are turned into containers. The last factory is for sewage.

# Infrastructure Example 1



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

In the image on the left there are many examples of infrastructure.

Bobb city has schooling, food, residential buildings, and outside areas.

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

Every single part of our city is as waste free as it could be. Every building has energy that is solar powered or from the factory that holds all the energy harvested from phones. We have many people who go around and pick up the litter people accidentally leave on the ground.



## City Services Example 2



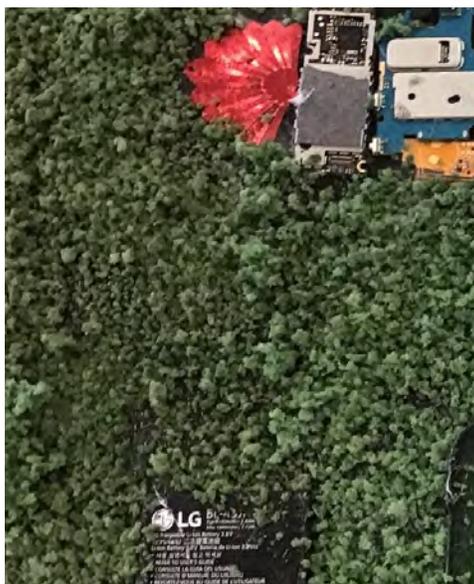
What type(s) of city services are shown here (health, education, etc.)?:

Education, environmental protection, environmental engineering

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

The schools in our city have many teachers, administrators, and talented principals.

## Transportation Example 1



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

We show the use of bikes and cars here.

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

The city uses fossil free transportation. Some residents walk to school or work, with the assistance of moving sidewalks, while others bike. Most citizens own a Tesla, or an electric car. There are charging ports on the bottom of the car wheels, and electric rails on the roads to charge cars.

## Transportation Example 2



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

We show the use of trains in this slide.

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

There are also trains in our city that do not produce air pollution. The magnetic levitation train is the fastest form of transportation in the city, and it is accessible for everyone. It has a large opening for the handicapped and disabled.

## 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?:

It is important to note that we use the electromagnetic energy from the city's phones to charge our city. It travels through fixed antennas called base stations. We insert it into power lines to power most buildings.

## 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?:

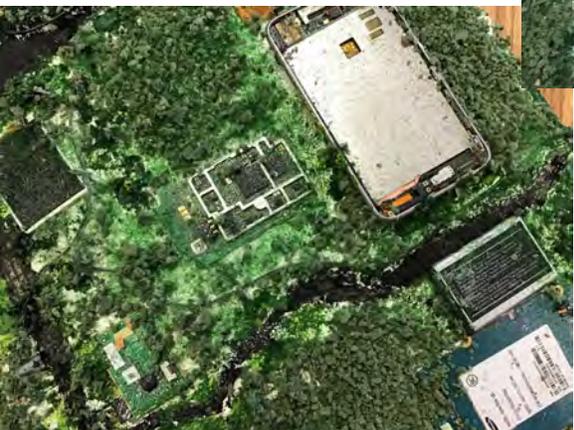
We have wind turbines next to the middle school spinning from the wind and creating electricity we use to power the city.

## 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?:

Solar panels on almost all of our buildings and in our solar park collecting the sunlight and transferring it into electricity we use to power a lot of our buildings and street lights.



## 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:  
Our team used old cell phone parts to construct our city. We dismantled old phones using screwdrivers, then matched up the pieces with the sizes of the buildings to add an advanced look to the city.

## Innovative Material & Use Example 2



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

Another example of the reused and recycled parts of the city is the solar powered roofs. Almost every building has solar panels on the roof.

This helps power the resident's home, so the other energetic can be used for other helpful areas in Bobb city.

## Innovative Material & Use Example 3



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

Another example of an innovative material is our car charging ports. The car charging ports are at every parking space.

Some of the wind turbine energy is used to power the charging ports. In front of the grocery store there is parking so while you are shopping, you can charge your car.

## Example of Scale



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

### **Structure 1**

What type of structure is this?:

The structure is the elementary school.

What size is the structure on the model?:

The size structure on the model is 11cm.

What size would this structure be in real life?:

The size of the structure in real life would be 220m.

### **Structure 2**

What type of structure is this?:

The type of structure is the middle school.

What size is the structure on the model?:

The size of the structure on the model is 20cm.

What size would this structure be in real life?:

The size the structure is in real life is 400m.

## 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.

## Section III

# JUDGE ASSESSMENT OF MODEL

### Futuristic Technology Example 1



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

Our city advanced when the technology did, so the city has some technological advancements. We have normal sidewalks, but in addition, we also have moving sidewalks for the handicapped that connect to every part of the city.

## Futuristic Technology Example 2



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

Our city values reusing, reducing, and recycling. To help enforce this rule, we reinvented the blow molder, an invention made to create plastic, into a plant and fruit based plastic-like biodegradable material. We use this material to make many things such as bags, cups, bottles, etc. Since it is biodegradable, it is not harmful to the environment.