

## Three Principles of a Circular Economy



### Project Plan Section 1: Set Goals

As a team, outline your goals, resources, and assumptions to help you envision your final project. Think about how to divide up work and determine who will lead on which roles and responsibilities.

#### Team Goals:

1. Our team will create a future city that uses the three principles of a circular economy to be waste-free.
2. Build a city that is 100% clean energy
3. Build a city with zero waste, with futuristic and sustainable technology

#### Criteria:

1. Create a waste, free city of the future using the three principles of the circular economy.
2. Build prototypes and a final 3d scale city model.
3. Complete a research essay with solutions to the problem/challenge.
4. Deliver five products according to the schedule.

#### Constraints:

1. Limit of \$100 budget for materials and supplies.
2. 3d scale model size must be no bigger than 20”h x 24”w x 48”l

Four months to complete all five products; classroom time and some weekend hours will be available to work on this problem and challenge.

### Our Project Resources:

List the things that you might use as you research, design, and create your city.

These could include teammates' skills, people to ask for advice, and equipment or supplies you have at home or school.

- |                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------|
| 1.teachers<br>2.supplies at home and in the class<br>3. Notes<br>4.chrome book<br>5.Maker's space<br>6.Engineer mentors |
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### Team Roles:

List the tasks and responsibilities needed to reach your goals. Think about the strengths and interests of each member of your team and start dividing up the roles so everyone has an idea of what job(s) they will be doing.

Team Member	Strengths	Task Assignments
Student 1	Good writer, Creative, organizing	Team manager, researcher for City features, Food & Agriculture and organizer, writer, builder
Student 2	Creative	Writer, builder researcher for Structures housing, utilities & services and Health & recreation
Student 3	Keeping track, Research	Research for Environment & Energy and Industry, Manufacturing & jobs, writer

## Project Plan Section 2: Schedule

### TEAM SCHEDULE

Milestone & Tasks	Duration	Start Date	Due Date	Notes
Research		October 28	November 22	<b>Waste Free City with a Circular Economy</b> Energy Linear Economy Circular economy
Project Plan		October 29	Jan 21,2022	
Project plan parts 1/2	37 days	Oct 28	December 3rd	
City Essay	41 days	Nov 2	December 13	
Rough drafts Parts 1/3/4	30 Days	Nov 2, 2021	December 2nd	
Rough draft parts 1/2/3/4/5		Nov 2, 2021	December 9th	
Final Essay		Nov 2, 2021	Dec 13	
City Model Building Days		December 18th	January 18,2021	School open during the holiday break
City Model Concept Sketch		Dec 18	Dec 31	Meet with mentor, Mrs. Howard, to create model sketch
Model SlideShow		December 18th-January 18	Jan 21, 2021	
Take pictures for SlideShow			Jan 19	
Write Script for Video			Jan 19	

Presentation				
Video Presentation			January 21	
Judges Q&A			January 21-27	
Competition Day			January 29	

### Project Plan Section 3: Check Ins

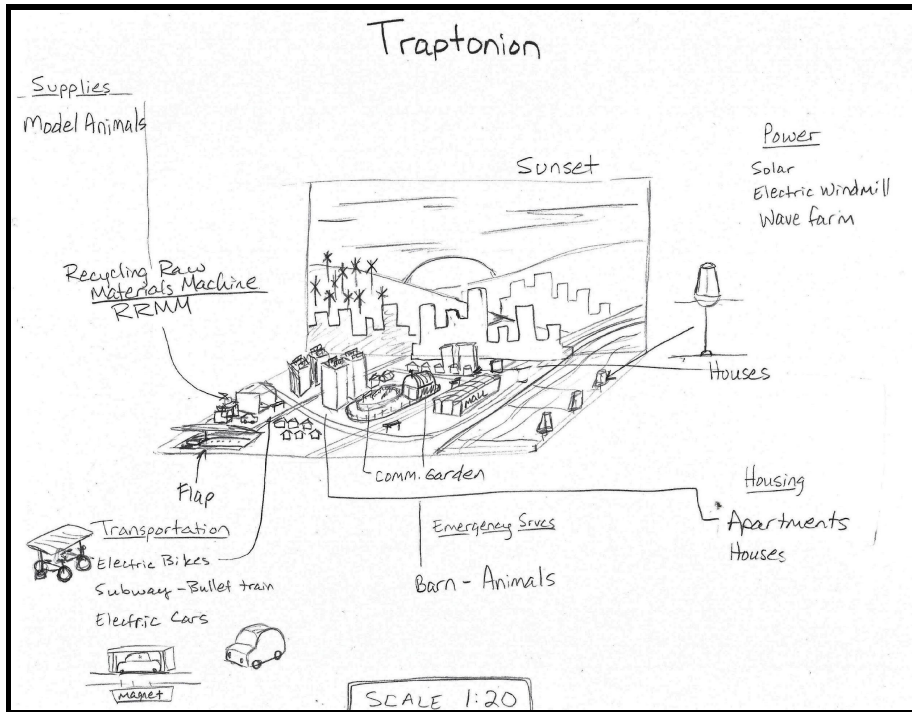
#### TEAM CHECK-IN REPORT

##### Check-In #1

Date: \_11/12/21

What have you completed recently?	<ul style="list-style-type: none"> <li>● Introduction paragraph</li> <li>● Research question for city features, and Food and agriculture</li> </ul>
What are you working on now?	<ul style="list-style-type: none"> <li>● Research for the other areas</li> <li>● A closer look paragraphs</li> </ul>
When do you think the current task will be done?	I think the research will be done next week. I think A closer look-part 2 paragraphs will be started after we finish our research and next month I think we will finish part 2.
What do you need to keep your work on track?	To check in on everyone and if they finished working on what they need to, if they don't then see what they need to finish or if they need help. Make sure no one gets distracted and if they do keep them on track.
Beyond the task(s) you're working on now, are you on track to meet your milestone goals?	Yes, we are doing a lot of research and making sure that they fit into our goals that we want to make our future city innovative.

Prototype: City Drawing



Prototype 2: City 3d Model

