

FUTURE CITY TEAM NAME: **Lilium**

TEAM GOALS

The first goal is listed for you. Write in at least two more goals.

1. Our team will design & develop a floating city showcasing two innovative examples of how it operates to ensure the health and safety of its citizens.

2. Our team will research and create an essay discussing important features about our city, Lilium, and why it

should become the next US territory.

3. Our team will create a model depicting Lilium, our future city.

4. Our presenters will fully memorize the presentation.

Brainstorm possible resources, constraints, and assumptions for your project.

1. **Our project resources:**

Mr. Balmoria: Our educator has saved parts and recycled materials from the past years for our model.

Mr. Kwolek: Our Electrical engineer will help with the model.

The Language Arts teachers helped us with the essay and organized our paragraphs.

Other teachers will allow our presenters to practice in their classrooms.

2. Constraints on our project:

This is an after-school club: we can only meet after school for short periods of time (1-1.5 hours). Most of our progress for our project will occur on Saturdays.

Possible Issues:

Team members are also involved in other after school activities, such as Band, Choir, Chess Club, and

Sports. This means that not all team members will attend the meetings sometimes.

Teachers that are helping are also offering after-school study tables for their students. This affects our

timetable as it will create some difficulties organizing research and working on the model.

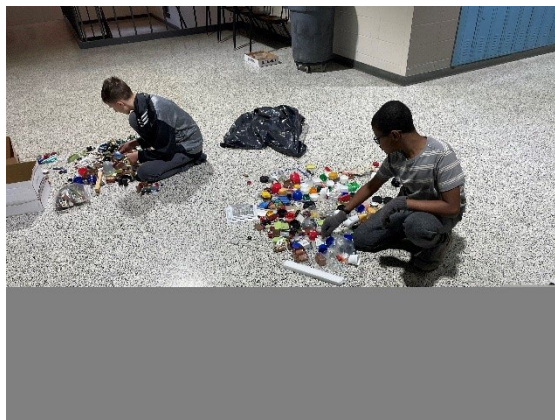
3. Assumptions about our project (these are the things you think are true or think might be true):

A. Our schedule shows that we should have plenty of time to complete the different requirements on time.

B. We have 11 team members who will be assigned certain tasks to help complete our goals on time.

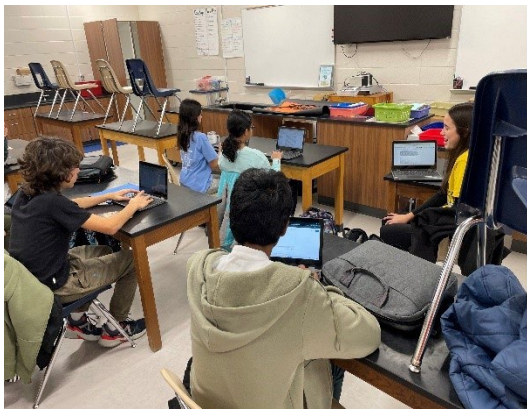
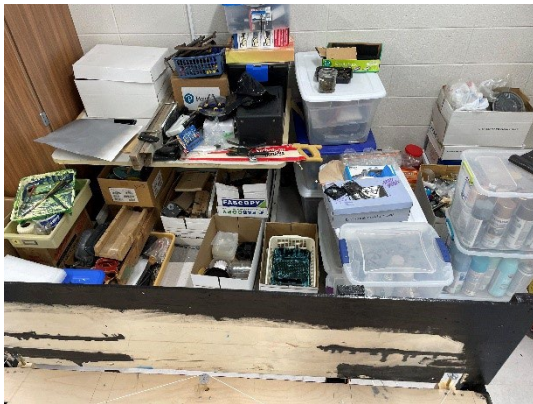
2da
 Rubric
 - Essay
 - Presentation
 - Model
 ④ Luis Asignante

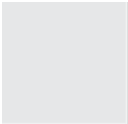
Tema 5		Tema 6	
Tema 5	Elaboración de un plan de trabajo	Elaboración de un plan de trabajo	Elaboración de un plan de trabajo
	Elaboración de un plan de trabajo		Elaboración de un plan de trabajo
Tema 6	Elaboración de un plan de trabajo	Elaboración de un plan de trabajo	Elaboración de un plan de trabajo
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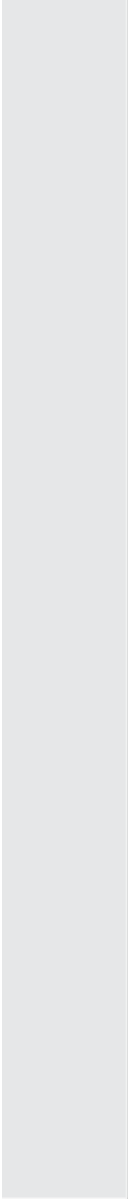
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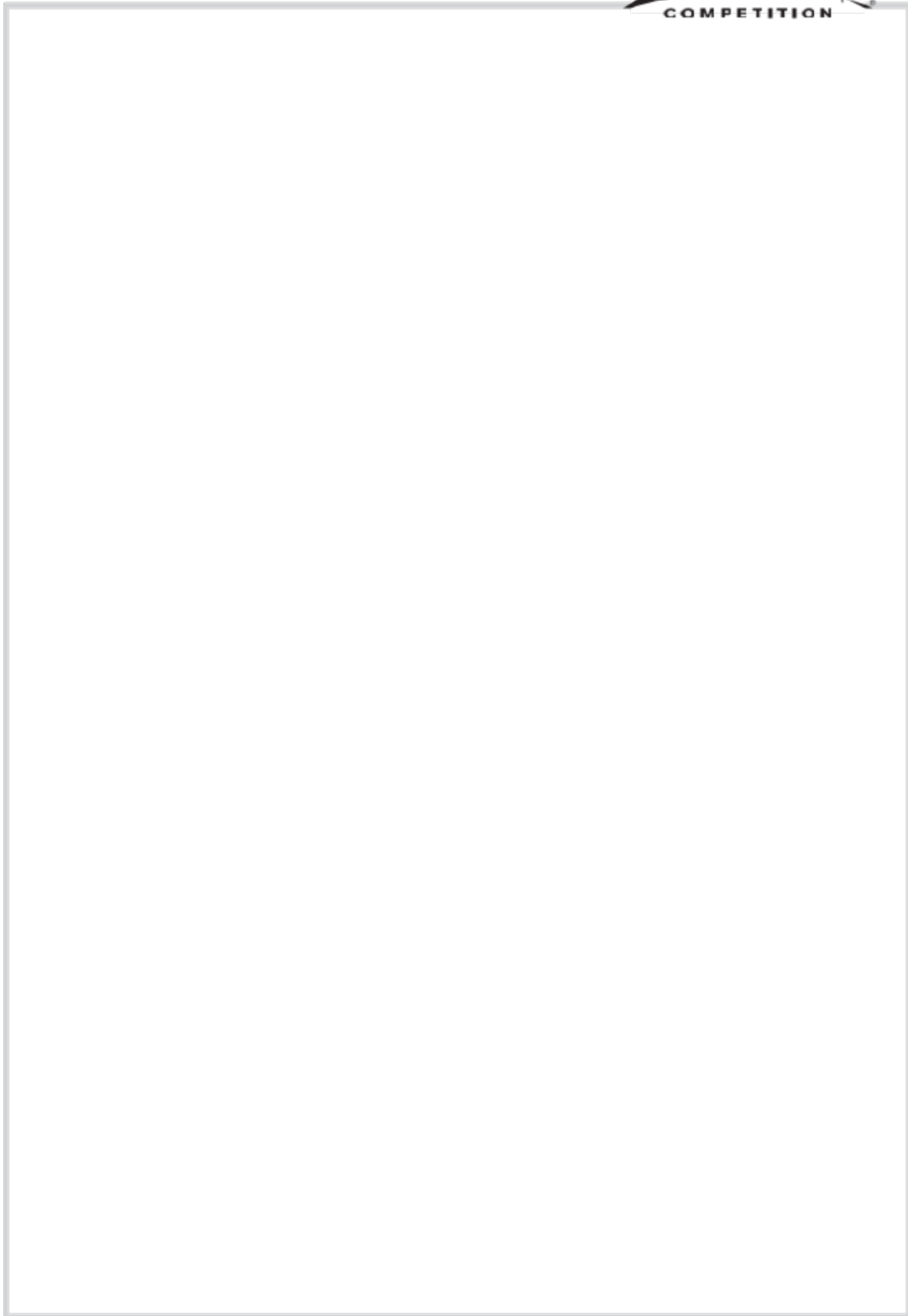






Deliverable:
Project Plan

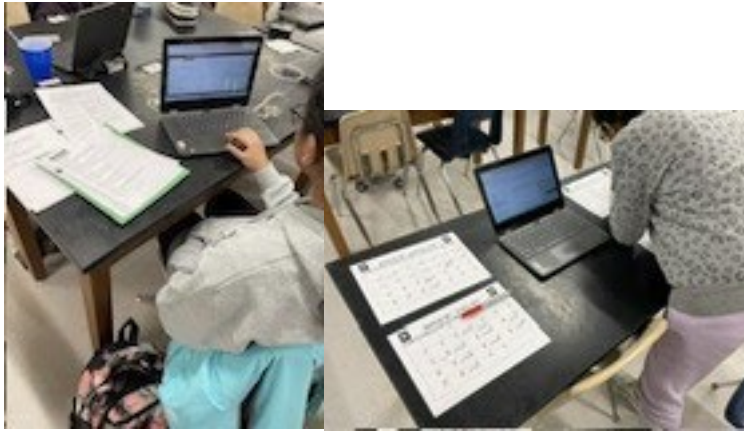




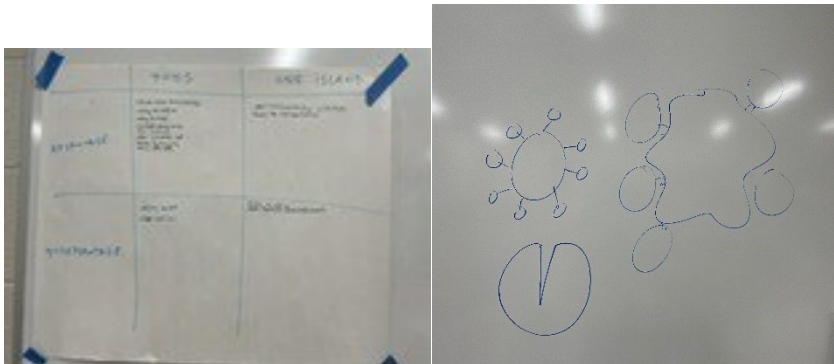
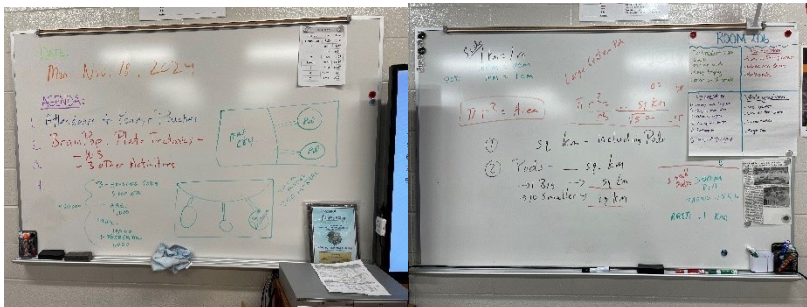
PROJECT PLAN DELIVERABLE 2 SCHEDULE

FUTURE CITY TEAM NAME: Lilium

Instructions: In the space below, insert a photo, drawing, screenshot, or other representation that captures how your team scheduled your project.



TEAM SCHEDULE



Deliverable Due Dates:

Essay Due Date: Dec. 14

Essay Roundtable: Jan. 3

Model Completed: Dec. 30

Project Plans (4) Completed: Jan. 3, 2025

Presentation Written: Dec. 21

Posters Set up: Jan 3

Presentation Practice in classroom: Jan 6 – Jan 17

FC Competition: Sat. Jan. 18, 2025

Student Responsibilities

Research: All Students

Website Resource Links: All Students put in Slides

Essay Organization & Writing: Kushi, Cori & Vivian

Bibliography: Cori

Project Plans: Harini

Model Design: All Students

Model: All Students - Finding recycled plastic pieces

Model painting: Tzin; Kushi

Model construction: Lucas, Harsha, Tzin, Gage, Osman, Parker, Vivian, Kushi

Presentation Posters: Cori, Vivian, Harini

Presentation: Vivian, Kushi, Cori, Tzin

Blackhawk MS September 2024

2

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2 Labor Day No School	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20 Student info sheets & Club Fee due	21
22	23	24	25	26	27	28
23	30	26 FC Mtg 2:35 – 3:30	27	28 FC Mtg 2:35 – 3:30	29	

Blackhawk MS October 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 FC Mtg 2:35 – 3:30 Outline of Essay	2	3 FC Mtg 2:25 – 3:30 Research Individual Google Slides	4	5
6	7	8 FC Mtg 2:35 – 3:30 Individual Google Slide Research	9 FC Mtg 2:25 – 3:30 Individual Google Slide Research	10 End of 1st Quarter FC Teacher Mtg at Purdue FW	11 Fall Break	12
13	14 Teacher Work Day	15 FC Mtg 2:25 – 3:30 Review Essay Outline & responsibilities Research	16	17 FC Mtg 2:25 – 3:30 Review Essay Outline & responsibilities Research	18	19 FC Mtg 9:00 – 1:00 Model Layout Google Slides

						Moving Part(s)?
20	21	22 FC Mtg 2:25 – 3:30 Cori, Kushi & Vivian organize research slides	23	24 FC Mtg 2:25 – 3:30 Cori, Kushi & Vivian check research slides	26	27 FC Mtg 9:00 – 3:00 Model Layout Google Slides Essay Outline
27	28	29 FC Mtg 2:25 – 3:30	30	31 FC Mtg 2:35 – 3:30		FC Mtg 9:00 – 3:00 Model Layout Google Slides Essay Outline

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		FC Mtg 2:25 – 3:30		FC Mtg 2:25 – 3:30	1	FC Mtg 9:00 – 3:00
3	4	5	P/T Conferences	P/T Conferences	8 No School	9
10	11	12 FC Mtg 2:25 – 3:30	13	14 FC Mtg 2:25 – 3:30	15	16 FC Mtg 9:00 – 3:00 Essay Model
17	18	19 FC Mtg 2:25 – 3:30	20	21	22	23 FC Mtg 9:00 – 3:00
24	25	26 FC Mtg 2:25 – 3:30	27 T-Day Break	28 Thanksgiving Day	29 T-Day Break	30

Blackhawk MS

December 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5 FC Mtg 2:25 – 3:30	6	7 FC Mtg 9:00 – 2:00 Essay & Model Paint Pieces/Base Project Plan 1 & 2
8	9	10 FC Mtg 2:25 – 3:45 Essay & Model	11 FC Mtg 2:25 – 3:45 Essay & Model	12 FC Mtg 2:25 – 3:45 Essay & Model	13	14 FC Mtg 9:00 – 2:00 Essay; Model Paint Pieces/Circles & Project Plan
15	16	17 FC Mtg 2:35 – 4:00	18	19 FC Mtg 2:35 – 4:00	20 End of Quarter 2	21 FC Mtg 9:00 – 1:00

		Essay; Model & Project Plan		Essay; Model & Project Plan		Presentation; Essay & Model Paint Pieces/2 Moving parts
22	23 FC Mtg 9:00 – 3:00 Presentation; Essay; Model & Project Plans	24 Christmas Break	25 Merry Christmas	26 Christmas Break	27 FC Mtg 9:00 – 3:00 Presentation; Essay; Model & Project Plans	28 FC Mtg 9:00 – 3:00 Presentation; Essay; Model & Project Plans
29 Christmas Break	30 FC Mtg 9:00 – 3:00 Presentation; Essay; Model & Project Plans	31 Christmas Break				

Blackhawk MS January 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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			1 Happy New Year!	2 Christmas Break	3 FC Mtg 9:00 – 3:00 Essay; Model Presentation; Posters Q & A	4 FC Mtg 9:00 – 3:00 Presentations; Posters Q & A Project Plan 3 & 4
5 Due Jan. 8 th Essay Due Project Plans	6 *Teacher Work PL Day Essay Roundtable 3:00 – 5:00 (?)	7 FC Mtg 2:25 – 4:30 Essay; Model & Presentation Students only	8 FC Mtg 2:25 – 4:30 Essay; Model & Presentation Students only	9 FC Mtg 2:25 – 4:30 Essay; Model & Presentation Students only	10 FC Mtg 2:25 – 4:00 Presentation Q & A	11 FC Mtg 9:00 – 3:00 Presentation & Q & A Model
12	13 FC Mtg 9:00 – 1:00 Presenter's Only Presentation Q & A	14 FC Mtg 2:25 – 4:30 Presenter's Only Presentations Q & A	15 FC Mtg 2:25 – 4:30 Presenter's Only Presentations Q & A	16 FC Mtg 2:25 – 4:30 Presenter's Only Presentations Q & A	17 FC Mtg 2:25 – 4:00 City Model Due Budget Report Paperwork	18 FC Competition City Q & A All FC Students TBA
19	20	21	22	23	24	25

	MLK Day					
26	27	28	29	30	31	

FUTURE CITY TEAM NAME: Lilium

TEAM CHECK-IN REPORT

Date:

Team Member(s): Vivian Sanchez, Khushi Kumari, Cuauhtzin Quintana Friedrich, Harini Namani, Cori Schmeltz,

Lucas Yochim, Dominic Stallard, Gage Anema, Ousman Ali, Harshavardhan Kona, Parker Love

How are things going?

What issues are affecting your team's ability to get things done?

Research- Team members have been assigned certain rubric topics/segments to research and include in the essay google

document. The main problem with researching online is that we must put a limited amount of information into our essay and narrow it down.

Presentation: Our presenters must prepare for questions using the knowledge from our research and then focus on the solutions for the questions.

Issues: Some team members have been playing video games and have not been cooperating. Some team members

were finding research that is not relevant to our research.

Scale - We have to make sure that the buildings match the scale. Team members have to take their time matching the buildings to the scale.

What's going well?

What lessons from that experience can you apply to other areas of your project?

1) Team members have been working and cooperating together and are finding important information.

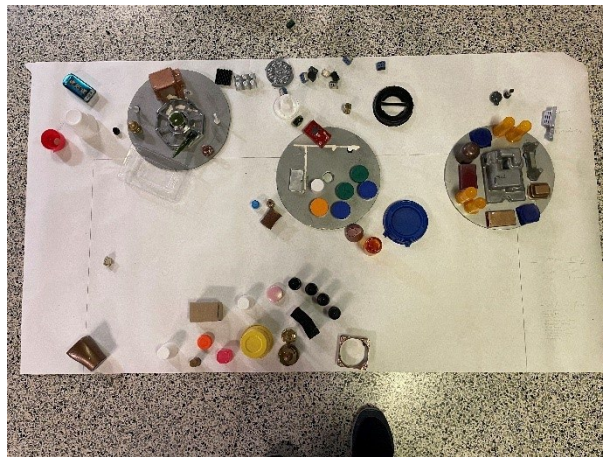
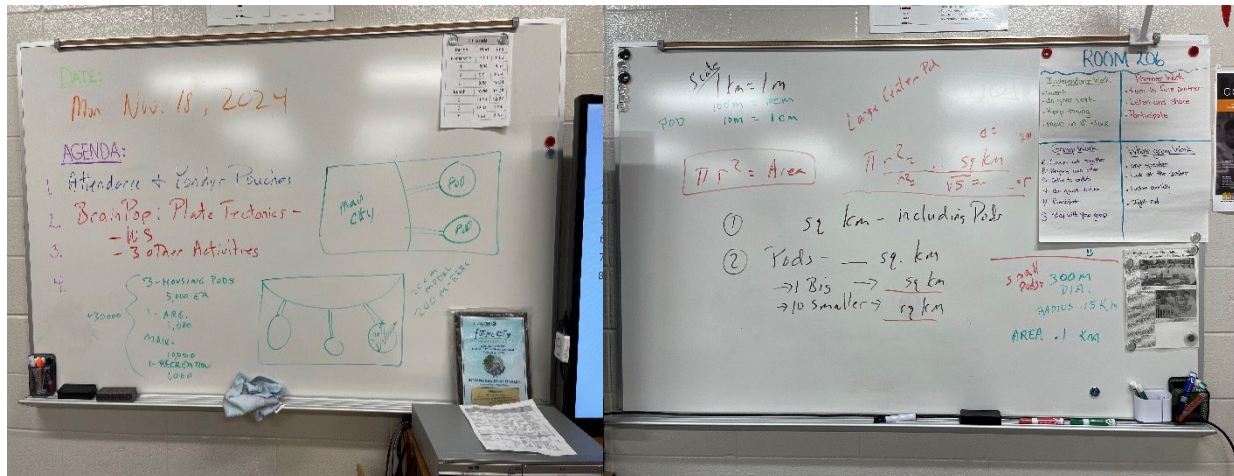
2) Teamwork and following the schedule is going to be an important part of putting together the essay.

Check the schedule.

What adjustments do you need to make?

1) Each team member is expected to continue their research on the individual portions of the rubric.

2) We make sure in every meeting that we finish by or before the deadline. Now that we are almost done with everything, our presenters will be practicing for our presentation until the competition day.



FUTURE CITY TEAM NAME: Lilium

TEAM REFLECTION

1. Look back at your original project goals from the Define stage. Did your team fully meet your stated goals for the project? Were there some goals that were met more completely than others?

Our team successfully met all our goals: we crafted a comprehensive essay for our future city, Lilium, built the model

within the \$100 budget, created two innovative examples, and our presenters have been diligently writing, creating

posters and practicing their presentation for the regional competition.

- 1. Look back at your original ideas for your city.** Did any of the ideas change as you went through the process of creating your final city? Describe one way your city changed and why.

Our ideas changed as we went through the process of creating our future city. One way our city changed was that

originally, we were going to become a state. However, when we did further research, we found out that our population,

which is 30,000, is not enough for Lilium to become a state. We then decided that we could become a territory, like

Guam, and we would just be our own territory, not a part of any state.

2. **Consider your team.** How well did your Future City team work together? What do you know now about being part of a team that you didn't know before?

Our Future City team worked well together. To be part of a team means to have active listening and communication

skills, respecting each other, and the ability to adapt to different styles of working, which we realize after being in a team.

Being in a team also builds trust against one another, which allows team members to feel comfortable sharing

ideas.

3. **What was the most valuable experience** you gained from the Future City Competition?

The most valuable experience we gained from the Future City Competition is applying math, science, technology, and

engineering to real world problems in creating an imaginary city of the future. Future City also revolves around STEM

(Science, Technology, Engineering, Math), which foster a pathway to our future careers.

