

FUTURE CITY TEAM NAME: TBSV-Pulau Karang

TEAM GOALS

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

1. Our team will 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 use multiple technologies that work together to provide floatation to our city.
3. Our team will provide an efficient floating city with a wastewater plan to help desalinate and purify water for reliable health and safety for residents.
4. Our team will use moving parts to enhance the quality of the model.
5. Our team will create and plan a presentation that will engage the audience and fully describe our city.

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

1. Our project resources:

- To build the model, we can use various tools and materials like saws, wrenches, drills, wood, plastic, lights, recycled materials, and more.
- While we aren't working on the model, it will be stored in our school's storage room.
- Some people we can get help from include one of our team member's mother, who is a writer that can help with our essay, and from our coach.
- Some skills we value include strong writers, communication skills, speaking skills, and critical thinking.

2. Constraints on our project:

Some constraints that may affect or have affected our project are due dates and time limits. The due dates of the essay can limit the time that we get to improve and evolve our essay as well as making it better and easier to read. Time limits on meetings can negatively impact our ability to create a floating city. Just like due dates, time limits affect the time that we get to improve on the model, essay, and presentation. These two constraints can very well impact our project negatively as well as make it even harder to create an efficient, reliable, scalable, and modular floating city.

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

One assumption we have is that the most difficult part of the project will be the presentation. Another assumption is that due to other activities, some of our team members will not be able to come to all of the weekly meetings. This can impact the time that we have to make an efficient floating city, but knowing this prepares the team for flexibility. We also assume that our model describes our city well and will have multiple moving parts. This will help demonstrate our city and make it clear what question we are solving. Lastly, we assume that we will be able to complete the essay, model, and presentation on time.

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

TEAM SCHEDULE:

Date	General	Essay	Model	Project Plans	Presentation
August 5	Begin team tryouts			Plan Calendar	
September 5	First meeting				
September 6-22	Research and decide location				
October 7		Research solutions for the city			
October 14	Research for various rubric sections				
October 26			Determine city stats and detailed info		
November 7		Create outline			
November 9-11		Finalize city Info and two innovative solutions			

November 11		Start 1st draft essay			
November 15			Start planning model		
November 25		Start 2nd draft essay			
November 29			Make life-size rough draft model		
December 5		Start 3rd draft essay			
December 6		Start final draft and complete essay			
December 7			Start building model		Select presenters
December 9				Start project plans A and B	Start brainstorming for the presentation Start writing the presentation
December 12				Finish project plans A and B	
December 13				Turn in Project Plans	
December 14			Work on model in detail		Continue writing presentation

					Develop Q&A responses
January 6					Finish presentation script Finish Q&A responses
January 7-15			Build model		Practice presentation/Q&A
January 16			Finish bulk of model		
January 18			Add finishing touches to the model		
January 20					Perfect the presentation and Q&A
January 25	Compete at NC State	Compete at NC State	Compete at NC State	Compete at NC State	Compete at NC State

FUTURE CITY TEAM NAME: Pulau Karang

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 has fully met our stated goals for the project. Three goals were met more completely than others:

- 1. Our team will 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 use multiple technologies that work together to provide floatation to our city.**
- 3. Our team will provide an efficient floating city with a wastewater plan to help desalinate and purify water for reliable health and safety for residents.**

Two goals that need more development:

- 4. Our team will use moving parts to enhance the quality of the model.**
- 5. Our team will create and plan a presentation that will engage the audience and fully describe our city.**

2. 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.

One way our city has changed is how one of our main solutions worked. The solution that keeps the city afloat has changes in materials and technology that is used in the system. We changed it so the solutions would work better and be more reliable.

3. 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 pretty well together. We all gave each other opinions and had good collaborations. We know now that people have different ideas and that it's a bit harder being with older students who have done Future City longer than you have because they have experience of what worked well and what didn't in previous years.

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

The most valuable experience that we gained from this Future City experience was being able to work together and provide a sustainable solution. Teamwork was an important skill needed in Future City. This skill can positively impact the future of people's lives. Future City is mostly just a way to have fun and to build self-management skills as well as teamwork. Another skill that Future City gave our team is flexibility, because everyone has to be flexible with each other throughout the projects.

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TEAM CHECK-IN REPORT

Date: 1/6/25

Team Member(s): Callista Medlen, Nathan Koch, Ishita Agarwal, Raghav Garg, Asher Pratt, Colin Barret, Aaryan Mansukani, Owen Miller, Liv Harding, Desmond Onyskin, Aryan Sharma, Harsheth Dadi, Levi Koch, Toby Medlen, Robert Hawkins.

How are things going?

Things are going great. Our team is making good progress with the model. The presentation team is doing well and the team is working on memorizing the presentation script.

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

Some things that are affecting our team's ability to get things done are that people are traveling and there are a lot of different sicknesses going around right now. We are able to work with this by calling people who aren't here and having people who are here temporarily take over their tasks.

What's going well?

The presentation is going well and everyone is memorizing their lines. The model is a bit behind, but we are working very efficiently. Everyone is on task and getting things done swiftly.

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

One lesson learned from this experience is that the team needs to be flexible. People are often not able to come to meetings because of sicknesses or travels.

Check the schedule.

What adjustments do you need to make?

We may need to make one adjustment to the time that the model will be completed. The model is a little bit behind schedule, so it will probably be completed later than we thought. Snow this weekend will cause us to have to stay after school daily to make up for a lost weekend.