



Floating Cities: Sustainable Solutions for Rising Sea Levels

By Ariel Presswood

Innovate with Design | Live Sustainably | Float with Resilience

This activity and summary sheet set explores the imaginative and innovative concept of floating cities, designed to combat the challenges posed by rising sea levels. Through creative activities, educational insights, and engaging reflections, participants will learn about eco-friendly designs, sustainable living practices, and the potential of floating cities to redefine urban life. Let this guide inspire you to envision a future where communities rise with the tides and thrive in harmony with nature.

Introduction

Blog Summary

Ariel's blog introduces readers to floating cities as a sustainable response to rising sea levels and climate change. These eco-friendly, self-sufficient communities are built on water, featuring renewable energy systems, green architecture, and innovative urban planning. Highlighting global examples like the Maldives Floating City and Recycled Park in Rotterdam, Ariel inspires readers to think creatively about the future of urban development. The post concludes with an interactive craft activity, encouraging participants to design their own floating homes.

Memory Quote

Inspired by Ariel: "Floating cities rise with the tides, offering hope for a sustainable future."



Reflection Questions

Understanding Floating Cities

1. How do floating cities address the challenges of rising sea levels?
2. What makes renewable energy and sustainable architecture essential for these cities?
3. Why is self-sufficiency important for floating communities?

Global Inspirations

1. What lessons can we learn from projects like the Maldives Floating City or Recycled Park?
2. How do floating cities promote environmental protection and urban resilience?
3. What would you include in a floating city to make it more sustainable and livable?

Creative Solutions

1. What would your dream floating home look like?
2. How can the concept of floating cities inspire solutions for other environmental challenges?
3. What steps can we take today to support sustainable urban planning?

Section 1: Interactive Activities

Activity 1: Design a Floating Home

Objective: Create a personalized floating home that incorporates sustainable features.

Materials Needed:

- Paper, pencils, and markers.
- Printable home design templates.
- Reference materials on eco-friendly design.

Instructions:

1. Sketch or design a floating home, including features like solar panels, gardens, and rainwater collection systems.
2. Label the key components and explain how they contribute to sustainability.
3. Share your design with others and discuss your ideas for floating communities.

Reflection: How did designing your floating home inspire your creativity? What features would make it ideal for sustainable living?

Activity 2: Build a Model Floating City

Objective: Collaboratively construct a model of a floating city, showcasing eco-friendly and innovative designs.

Materials Needed:

- Recycled materials (e.g., cardboard, plastic bottles, and string).
- Markers, paints, and glue.
- Printable templates for city layouts.

Instructions:

1. Plan a layout for your floating city, including homes, farms, and energy systems.
2. Use recycled materials to build a model city, emphasizing sustainability.
3. Present your city model and explain how it addresses environmental challenges.

Reflection: How did building the model help you understand the concept of floating cities? What innovative ideas did you include?

Activity 3: Create a Floating City Infographic

Objective: Research and present the benefits and features of floating cities in a visually engaging infographic.

Materials Needed:

- Printable infographic templates.
- Markers, colored pencils, and highlighters.
- Reference materials on floating cities and sustainable technologies.

Instructions:

1. Research key features and benefits of floating cities.
2. Design an infographic showcasing your findings, using visuals and concise descriptions.
3. Share your infographic and discuss how floating cities inspire sustainable solutions.

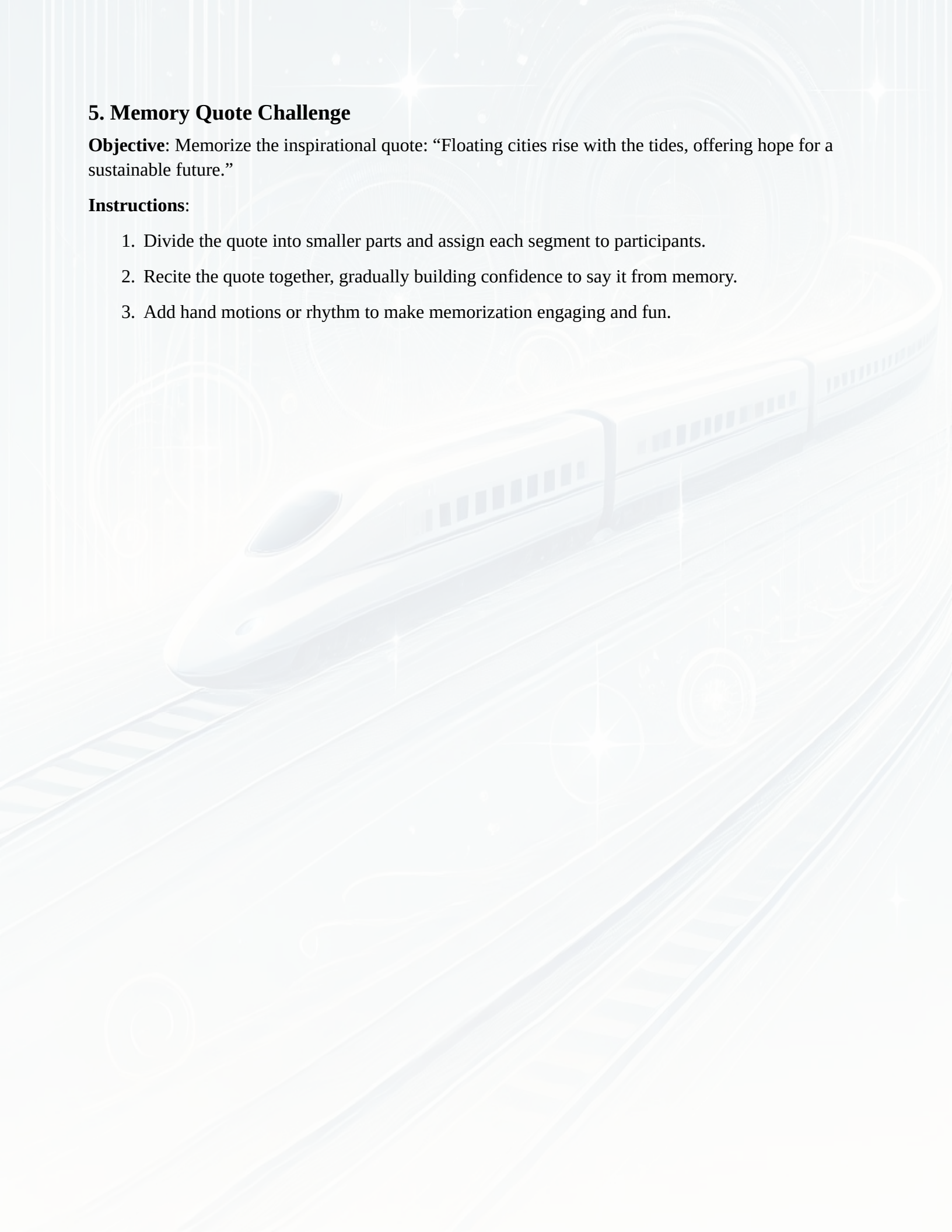
Reflection: What did you learn about floating cities through this activity? How can infographics communicate complex ideas effectively?

5. Memory Quote Challenge

Objective: Memorize the inspirational quote: “Floating cities rise with the tides, offering hope for a sustainable future.”

Instructions:

1. Divide the quote into smaller parts and assign each segment to participants.
2. Recite the quote together, gradually building confidence to say it from memory.
3. Add hand motions or rhythm to make memorization engaging and fun.



6. Practical Applications

Sustainable Urban Planning Journal

Instructions:

1. Write daily reflections on how floating cities inspire sustainable solutions.
2. Sketch or brainstorm ideas for resilient and eco-friendly urban designs.

Family Floating City Exploration Guide

Structure:

- Monday: Learn about floating cities and their environmental benefits.
- Tuesday: Research projects like the Maldives Floating City and Recycled Park.
- Wednesday: Explore renewable energy sources for floating communities.
- Thursday: Design and build a family model of a floating city.
- Friday: Create an infographic highlighting the features of your city.
- Saturday: Share your creations and discuss ideas for supporting sustainable urban planning.
- Sunday: Reflect on what floating cities teach us about innovation and environmental care.

7. Closing Reflection

Gratitude Journal Entry

- Prompt: “How has learning about floating cities inspired me to think creatively and care for the planet?”
- Prompt: “What steps can I take to support sustainable urban development in my community?”

Take-Home Question

- “How can the lessons from floating cities help us imagine and create sustainable solutions for the future?”

