



## How Electric Planes Are Redefining Air Travel

By Ariel Presswood

### Innovate with Technology | Fly Clean | Imagine the Future

This activity and summary sheet set invites participants to explore the groundbreaking world of electric aviation. Through creative activities, reflective prompts, and engaging educational content, participants will discover how electric planes are shaping the future of sustainable air travel. Learn about the environmental benefits, technological advancements, and inspiring innovations behind this transformative industry, and unleash your imagination to dream up the possibilities of cleaner skies.

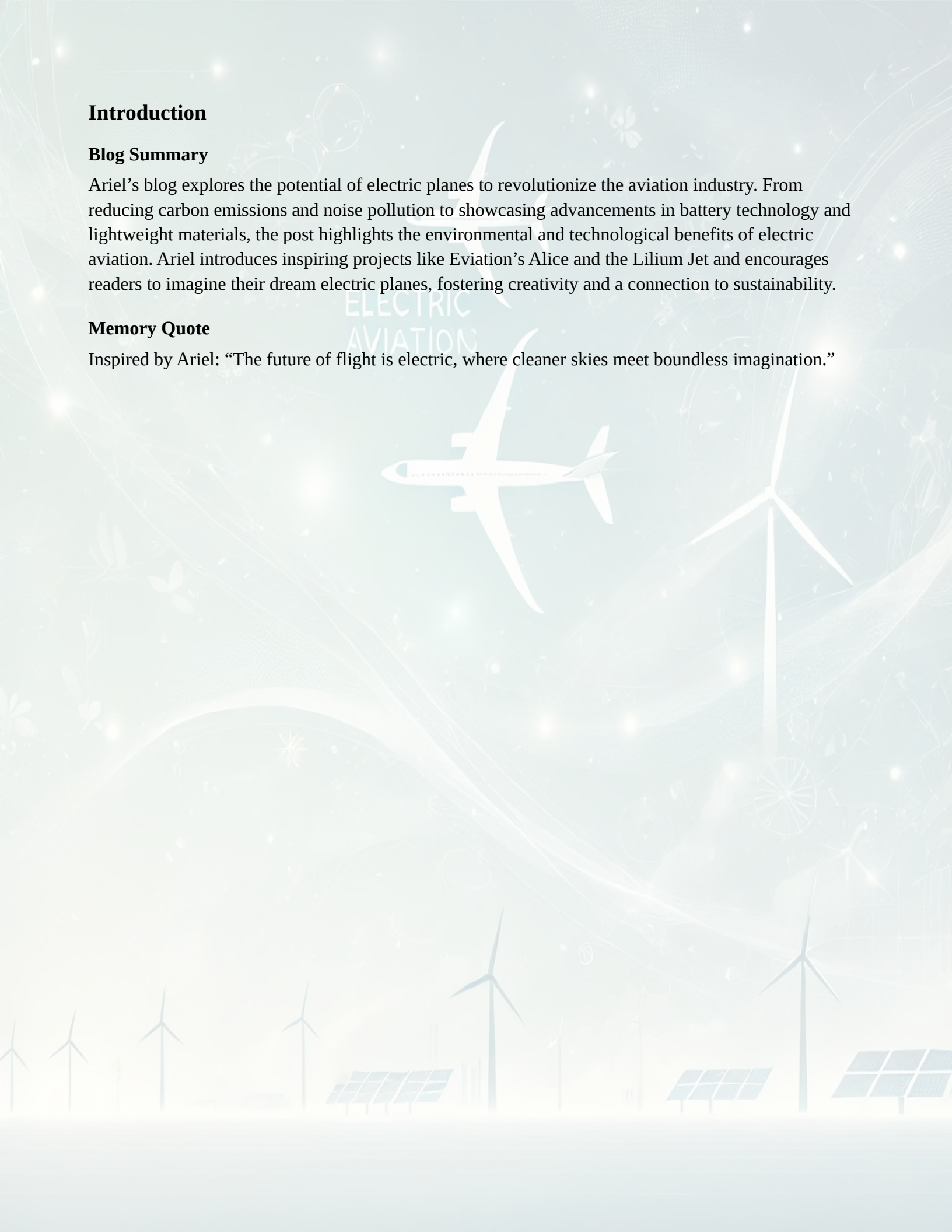
## **Introduction**

### **Blog Summary**

Ariel's blog explores the potential of electric planes to revolutionize the aviation industry. From reducing carbon emissions and noise pollution to showcasing advancements in battery technology and lightweight materials, the post highlights the environmental and technological benefits of electric aviation. Ariel introduces inspiring projects like Eviation's Alice and the Lilium Jet and encourages readers to imagine their dream electric planes, fostering creativity and a connection to sustainability.

### **Memory Quote**

Inspired by Ariel: "The future of flight is electric, where cleaner skies meet boundless imagination."



## Reflection Questions

### Understanding Electric Aviation

1. How do electric planes reduce the environmental impact of air travel?
2. What technological advancements make electric planes possible?
3. Why is lightweight material important in electric aircraft design?

### The Future of Air Travel

1. How do companies like Eviation and Lilium inspire innovation in aviation?
2. What role do alternative technologies like hydrogen fuel cells play in aviation's future?
3. How can passengers contribute to a greener aviation industry?

### Personal Connections to Sustainable Innovation

1. What features would you include in your dream electric plane?
2. How can learning about electric aviation inspire you to think creatively about solving global challenges?
3. What steps can you take to support cleaner skies and sustainable travel?

## Section 1: Interactive Activities

### Activity 1: Build a Model Electric Plane

**Objective:** Design and create a model of an electric plane, incorporating features inspired by sustainable aviation technology.

**Materials Needed:**

- Recycled materials (e.g., cardboard, plastic bottles, and string).
- Markers, paints, and decorative supplies.
- Printable templates for basic plane structures.

**Instructions:**

1. Research key features of electric planes, such as propulsion systems and lightweight designs.
2. Design and build a model plane, highlighting its green technologies.
3. Present your model and explain how it reflects sustainability and innovation.

**Reflection:** How did building your model help you understand electric aviation? What features would make air travel more sustainable?

## Activity 2: Design Your Dream Electric Plane

**Objective:** Create a detailed blueprint or illustration of a dream electric plane, focusing on sustainability and passenger comfort.

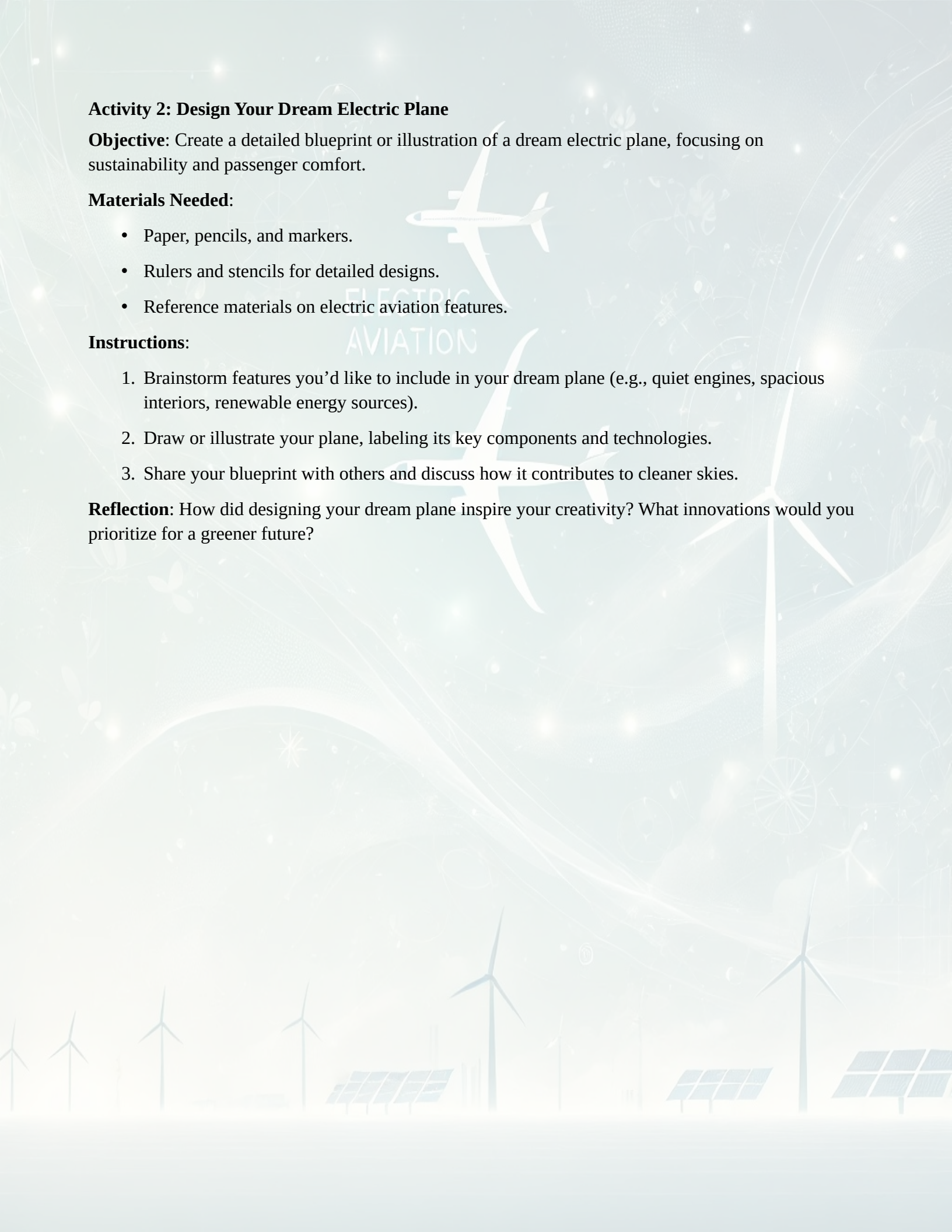
### Materials Needed:

- Paper, pencils, and markers.
- Rulers and stencils for detailed designs.
- Reference materials on electric aviation features.

### Instructions:

1. Brainstorm features you'd like to include in your dream plane (e.g., quiet engines, spacious interiors, renewable energy sources).
2. Draw or illustrate your plane, labeling its key components and technologies.
3. Share your blueprint with others and discuss how it contributes to cleaner skies.

**Reflection:** How did designing your dream plane inspire your creativity? What innovations would you prioritize for a greener future?



### Activity 3: Create a Sustainable Air Travel Infographic

**Objective:** Research and present information on the benefits and potential of electric planes in a visually engaging infographic.

**Materials Needed:**

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

**Instructions:**

1. Research the environmental benefits and technological advancements of electric aviation.
2. Design an infographic to showcase your findings, using visuals and key facts.
3. Present your infographic and explain how it inspires others to support sustainable air travel.

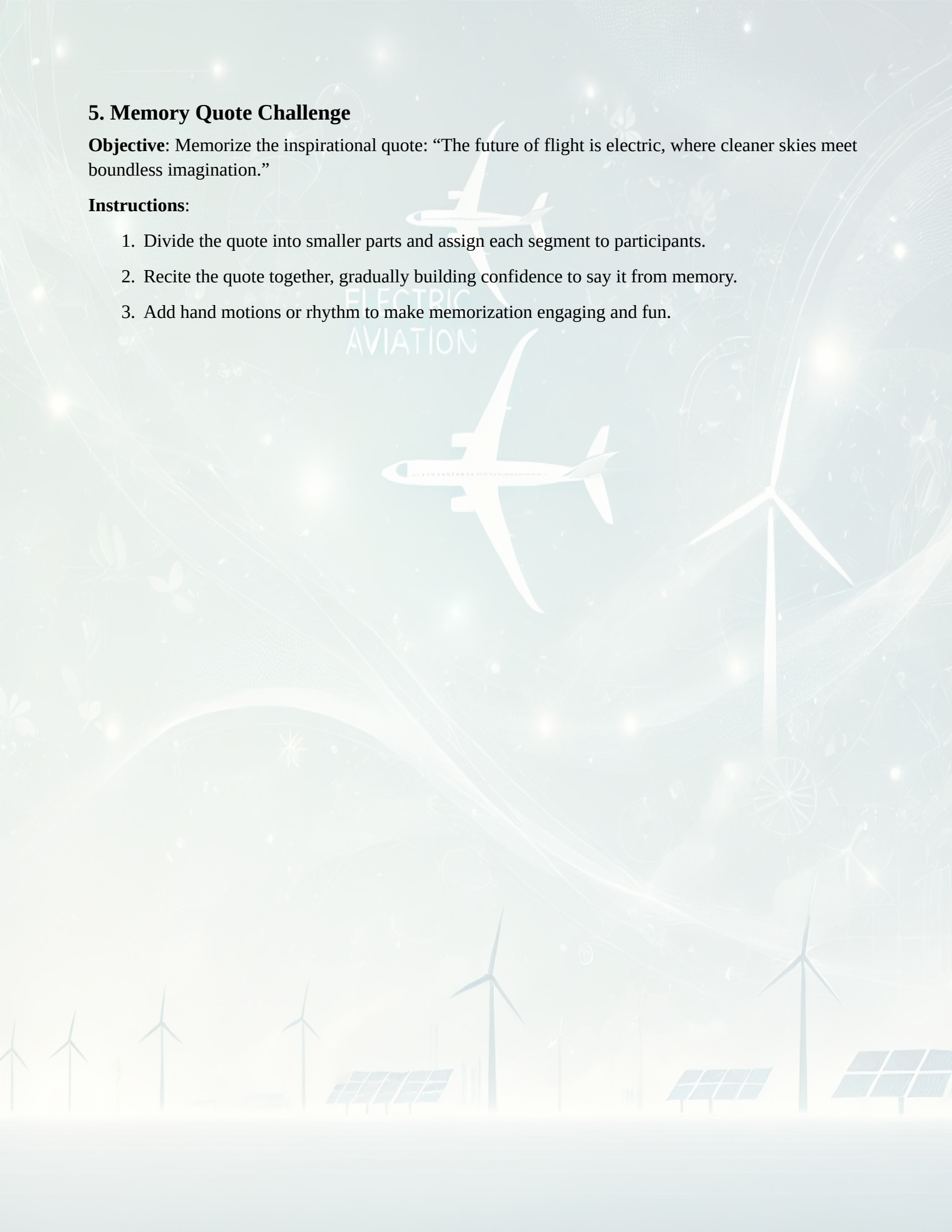
**Reflection:** What did you learn about electric aviation through this activity? How can infographics communicate complex ideas effectively?

## 5. Memory Quote Challenge

**Objective:** Memorize the inspirational quote: “The future of flight is electric, where cleaner skies meet boundless imagination.”

**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

### Electric Aviation Journal

#### Instructions:

1. Write daily reflections on how electric planes inspire creativity and innovation.
2. Sketch ideas for features or designs that could make aviation more sustainable.

### Family Aviation Exploration Guide

#### Structure:

- Monday: Learn about the basics of electric aviation and its environmental benefits.
- Tuesday: Research key technological advancements like batteries and propulsion systems.
- Wednesday: Explore industry-leading projects like Eviation's Alice and the Lilium Jet.
- Thursday: Design a family model or blueprint of an electric plane.
- Friday: Create a family infographic on the future of sustainable air travel.
- Saturday: Share designs and discuss ideas for supporting greener aviation.
- Sunday: Reflect on what electric planes teach us about sustainability and innovation.

## 7. Closing Reflection

### Gratitude Journal Entry

- Prompt: “How has learning about electric planes inspired me to think creatively about sustainability?”
- Prompt: “What steps can I take to support cleaner skies and greener travel?”

### Take-Home Question

- “How can I use the lessons from electric aviation to imagine and create sustainable solutions in other areas?”

ELECTRIC  
AVIATION

