

**Your task is to redesign a glider out of paper that can travel the farthest distance before landing.**

### **Step One: Get inspired!**

Engineers sometimes are given a design and then are asked to make it better! Your task is to redesign a glider to make it go as far as possible in the air. Pick a glider you want to redesign.

Here are some ideas: <http://www.10paperairplanes.com/>

### **Step Two: Choose your Materials**

- ❖ For materials only use paper and tape

### **Step Three: Making your Air Glider**

- ❖ Pick one of the designs from the website above. Use the paper and tape that you found from your home to build the airplane.
- ❖ Next, let it fly and measure how far the airplane went.

### **Step Four: Redesigning your Air Glider**

NOW comes the redesign. Carefully consider the different parts of the airplane.

- ❖ How can we make this airplane travel FARTHER?
- ❖ What do you think the airplane needs?

Once you have an idea what to change in the design, build another airplane and test your ideas. Did it go farther?

If you liked this challenge, click below to find out more!

[Airplane Game](#)

[Air Glider Contest](#)

### Step 5: Sharing your Air Glider on Instagram or email.

We want to see your air glider! With permission from your parent, or guardian, share a picture of your air glider for our instagram page. By direct messaging or emailing an image of your challenge, you are giving us written consent to redistribute the image on our official instagram page and [webpage](#).

- Instagram: @sciencecircuswhittier
- Email: [sciencecircuswhittier@gmail.com](mailto:sciencecircuswhittier@gmail.com)

