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*Trash Landing: Building a Plane from Recycled Materials*

We built a functional airplane out of recycled materials. This idea came from both a passion for aviation, and also a concern for our environment. We wanted to draw attention to the importance of recycling, while at the same time proving it is possible to make advanced engineering projects from trash. We believe this project is important because we want it to be a window to the future. A future where not only every household, but also aviation industries will use recycled materials safely and efficiently. Sustainability is essential to the survival of our world. The design of our airplane was successful in flying two test flights, one for one minute and thirty five seconds, landing do to high winds, and a second flight for over 5 minutes. After collecting materials that had already been used once and integrating them into our plane, we feared that the electronics would be too powerful. Using intuition and applied physics, we were able to make adjustments so that our flights would be successful. The plane withstood barrel-roles and a planned stall. Our plane was successful. This plane will not change the world on its own, but we hope that it brings attention to the fact that we all need to do our part in order to survive, and grow in the future. Trash has so many more possibilities yet to be discovered, but we now know that anything is possible when trash can fly.