Take Flight!

Ready for a little Tech Challenge fun? It’s time to build a paper airplane that can safely transport your passengers!

Design and build a paper airplane that can safely transport a passenger at least 6 feet. Your passenger must stay on the plane and be visible from the outside. The goal is to get them to their destination safely!

You’ll need paper, connectors and a passenger. Use what you have and be creative!

<table>
<thead>
<tr>
<th>Paper</th>
<th>Connectors</th>
<th>Passengers</th>
<th>Yes: Tape, No: Glue</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Different kinds of paper</td>
<td>• Rubber bands • Paper clips • Binder clips • Twist ties • String</td>
<td>• Paper clips • Small beads • Dried beans</td>
<td>Why? Because building without glue lets you change your designs faster and makes it easier to reuse materials.</td>
</tr>
</tbody>
</table>

Ready, set, build!
Course length: 6 feet

1. Create your airplane. Start with a simple paper airplane and get more creative from there.
2. Be sure to include a passenger.
3. Test inside to avoid the wind.
4. Keep testing until you’ve met the challenge.

Simple paper airplane instructions

Bonus challenges
• Can your plane carry two passengers? Or more?
• Can you make the plane fly using a different kind of paper?
• Can you adjust your design to make your plane fly farther? Straighter? Higher?
• Can you make a flying device out of different materials?

Share what you build on Facebook using #TheTechChallenge