

Today's Mission: Touching the Sky

What do birds, bees and rockets have in common? They all fly! This week we take a look at engineering paper airplanes and hoop gliders. Don't be afraid to fail when you design your own plane. That's how you learn to make things better! In the spirit of Tinker Tuesday...

DREAM ● PLAY ● CREATE

Instruction Overview:

1. Check out the latest episode of Patty Pearl!
2. Look at the different websites and videos to learn how to make different paper airplanes including a world record airplane design!
3. Try your hand at building a Hoop Glider.
(Be sure to ask an adult for help with the scissors if you need it.)
4. Test your planes!
5. BE SAFE!
 - *Never throw your plane toward another person or pet.*
6. Look for ways to improve your design to get it to fly straighter, higher, or farther.
7. Upload pictures or videos of your planes in action to your favorite social media outlet:
 - Use: [#tinkertuesday](#)
 - Tag: [@einsteinproject](#) & [@titletown](#)



Airplane Construction Instructions:

- [Learn to build a Hoop Glider from Science Bob.](#)
- [Build a straw flyer that you launch with your breath](#)
- [Not sure what to make? Take a look at these 40 designs!](#)

Airplane Videos:

- [Learn the basics on how and why an airplane flies.](#)
- [Make a world record plane from the person who made it.](#)
- [Make a plane that flies like a bird. For the adventurous folder.](#)