

Objective

By the end of this lesson, you will learn the basic principles of how drones work and have fun experimenting with a mini paper drone.

Materials and Prep

- Colorful construction paper
- Scissors
- Tape
- Markers or crayons
- Open space for flying the paper drone

No prior knowledge is needed, just come with your curiosity and creativity!

Activities

- **Create Your Own Paper Drone:** Cut out a simple drone shape from the construction paper, decorate it, and then fold the wings to make it fly.
- **Flight Test:** Go outside and fly your paper drone. Observe how it moves and experiment with different wing designs to see how they affect flight.
- **Obstacle Course Challenge:** Set up a simple obstacle course with household items and navigate your paper drone through it.

Talking Points

- **What is a drone?**
"A drone is like a little flying robot that can go up in the sky and take pictures or deliver things."
- **How do drones fly?**
"Drones have wings or propellers that spin really fast to help them go up in the air, just like a bird or a helicopter."
- **Why do we use drones?**
"People use drones to see things from high up, like checking on crops or taking cool pictures from the sky."
- **Can drones be different sizes and shapes?**
"Yes, some drones are big like airplanes and some are small like our paper drone. They can come in all shapes and colors!"
- **What did you learn about drones today?**
"Today we learned that drones can fly with wings and propellers, and we made our own paper drone to see how it works!"