



Age: 5+

# A is for... Aerodynamics

**What is aerodynamics?** It is the study of forces and the resulting motion of objects through the air. Cars, planes, and rockets are all affected by aerodynamics.

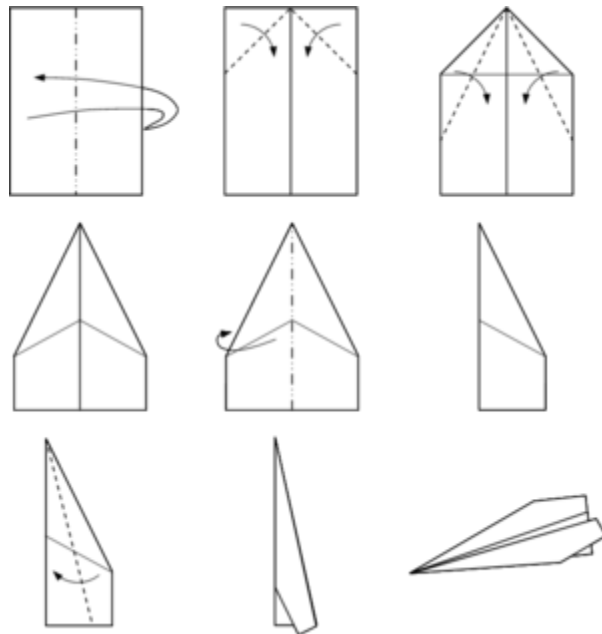
**Activity:** Paper airplane

**Materials needed:**

- Printer paper ( 8x11)

**Instructions:**

1. Fold the paper in half vertically
2. Unfold the paper and fold each of the top corners into the center line.
3. Fold the top edges into the center line.
4. Fold the plane in half toward you.
5. Fold the wings down
6. Add double stick tape to the inside of the body



**JOB EXPLORATION:**

- **Astronaut:** An astronaut is a type of scientist that takes a spaceship to outer space to study things like asteroids, the atmosphere and the

moon. To become an astronaut, you should have interests in physics, chemistry, geology, and biology.

- **Design Engineer:** Is a type of engineer that is focused on the design process of an engineering product and/or discipline. Design engineers usually work on products and systems that involve adapting and using complex scientific and mathematical techniques
- **Mechanical Engineer:** An engineer designs and builds complex products, machines, and system. A mechanical engineer works with how things are made and how machines operate. They also design and builds complex products, machines, and systems. Mechanical engineers also help with the invention of many machines, including the early inventions of simple machines like the wheel and axle.
- **Aerospace Engineer:** Aerospace engineers design aircraft, spacecraft, satellites, and missiles. In addition, they create and test prototypes to make sure that they function according to design.
- **Pilot:** A pilot is a person licensed to fly a plane or spacecraft or operate a ship.

For more info on this lesson plan and activity visit:

<https://www.becre8v.com/aerodynamics-for-kids>