**Air and Aerodynamics**

**Intro Notes**

Our atmosphere is a mixture of gases that surrounds the planet.

Air is made up mostly of nitrogen, oxygen, argon and small amounts of carbon dioxide and water vapor.

Gravity attracts all gas particles to the Earth.

There are 4 qualities of air:

1. **Air Takes Up Space**
   1. Volleyball, tires, balloons, etc.
2. **Air creates pressure**

* The weight of air presses or puts pressure on us.
* This is called air pressure
* We are not crushed because air pushes in all directions (sides, from above, and up)
* Also pressure inside our bodies is pushing back to balance us out

1. **Air can be Compressed**

* Compression happens when we compress or push air particles into a smaller space

1. **Air has Mass (Weight)**