



PROPERTIES OF AIR AND FLIGHT

Where Do I Begin??

The following outline is a guide to teaching a Junior level unit about the Properties of Air and Characteristics of Flight.

1. Forces of Flight
 - a) lift
 - b) gravity force
 - c) drag
 - d) thrust
2. Three Laws of Flight
 - a) Bernoulli's Law of Pressure
 - b) Law of Flight
 - c) Newton's Third Law
 - d) Why a Wing Works
3. Balloons
 - a) Montgolfier Brothers
4. Kites - How do kites fly?
 - a) Delta Kite
 - b) Box Kite
 - c) Bag Kite
5. Gliders
6. Airplanes
 - a) History of Powered Flight (Timeline)
 - b) Parts of an Airplane
7. Rockets