**Air and Aerodynamics Unit Test**

**What I Need to Know…**

* **The 4 forces of flight**
* **Adaptations that allow birds and insects to fly**
* **Why can some birds not fly?**
* **How can air be compressed? (Examples)**
* **4 qualities of air – air takes up space and exerts pressure**
* **Air is composed of different gases – evidence**
* **Airfoil**
* **Bernoulli’s Principle – how is lift achieved**
* **Vocabulary \*\*\***
* **Examples of streamlining to reduce drag**
* **Lift must overcome gravity**
* **Methods of propulsion (aircraft and birds/insects)**