AVIATION VOCABULARY

AERODYNAMICS: the study of the forces of air and how an object moves through the air.

AILERON: the moving parts, attached to the rear edge of plane wings, which help the plane tilt or roll.

AIRCRAFT CARRIER: a large naval ship designed as a floating airport. Carriers have a long flat deck on which aircrafts can take off and land while at sea.

DRAG: the force that slows down a plane as it flies through the air. This force acts against THRUST.

ELEVATORS: the moving parts on the tail of a plane that move up or down to make the plane climb or descend.

ENGINE: the part of the airplane which provides power, or propulsion, to pull or push the airplane through the air.

FLAPS: the moving parts attached to the rear edge of wings which help to slow a plane down for landing.

FUSELAGE: the streamlined body of an airplane to which the wings and tail are attached.

GRAVITY: the force which pulls towards the center of the earth. This force acts against LIFT.

HANGAR: a large building at the airport where planes are stored or repaired.

LIFT: the force needed to get a plane into the air. This force has to overcome the force of GRAVITY in order to accomplish lift off.

PROPELLER: two or more blades which pull a plane forward as they rotate.

Rudder: the moving part on the tail that steers or turns the plane to the left or right.

THRUST: the force of the engines which drives a plane forward. This force acts against DRAG.

WING: the part of the airplane designed to provide lift when air flows over it.
FLIGHT DECK

DID YOU KNOW ... the flight deck is about **900 feet long** - that’s the length of three football fields!

**Consider this ...**
the tailhook and arrestor cables could slow the planes from 150 to 0 mph in less than two seconds.

**Wow Fact:**
The steam catapult could launch planes from 0 to 150 mph in 2 seconds.

**Fast Fact:**
The Blackbird could exceed speeds of **2,000 miles per hour** in flight.

**Fun Fact:**
During World War II, the Intrepid could hold up to **100 planes** at one time.

**Did you know ...**
our Concorde holds the London to New York record of shortest flight at two hours, 52 minutes and 59 seconds?