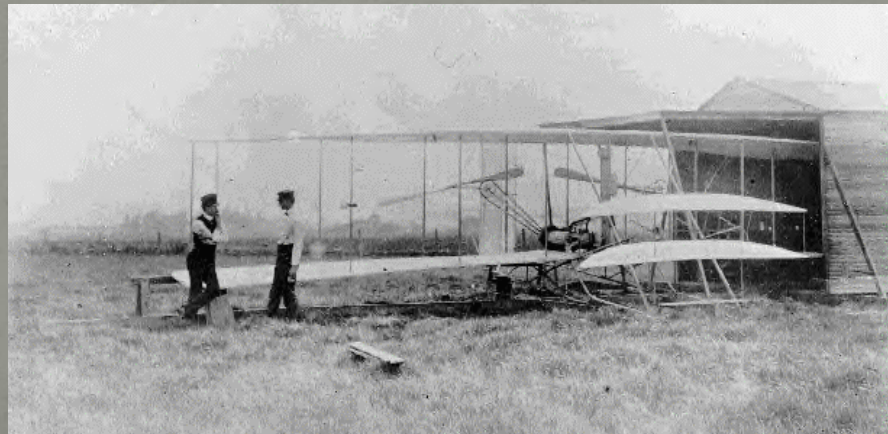


The Wright Brothers

The
Wright Brothers
Orville and Wilbur

Inventors of Airplane and Manned Flight



Who are the Wright Brothers

- Wilbur born April 16th, 1867
 - Steady, thoughtful, perseverant brother
 - Born in Millville, IN
 - Did not attend college
- Orville born August 19th, 1871
 - Creative, enthusiastic brother
 - Born in Dayton, OH
 - Started Printing business while in high school



Before They Were Famous:

- Orville starts Printing business in 1886
 - Eventually childhood friend Ed Sines takes over.
- Orville publishes “The West Side News” newspaper in 1889. Wilbur joins as editor.
 - Fails after a few months as a daily paper.
- Wilbur starts bicycle sales and repair shop in 1892.
 - Orville joins him shortly after.
 - Design “St. Clair” and “Van Cleave” bicycles in 1895
- Brothers take interest in “flight problem” after hearing of famous glider, Otto Lilienthal’s death in 1896.



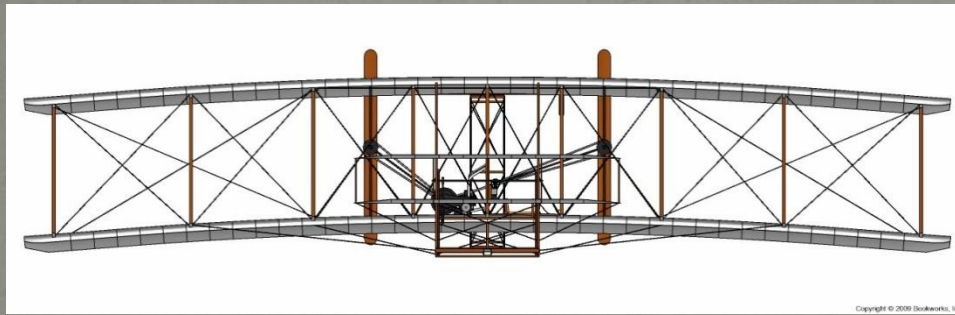
“Van Cleave”

The Day it all Changed: 12-17-1903

- The Wright brothers make the first controlled, sustained, powered flight at Kitty Hawk, NC
 - 1st Flight was 12 seconds long and went 120 feet.
 - Approx. 6.8 mph
 - 4th and best flight of day was 59 seconds long and flew 852 feet.
 - Approx. 9.8 mph
- "This flight lasted only 12 seconds, but it was nevertheless the first in the history of the world in which a machine carrying a man had raised itself by its own power into the air in full flight, had sailed forward without a reduction in speed, and had finally landed at a point as high as that from which it began." -Orville Wright-

Engine Comparison:

The Flyer



Boeing 747-8I



	Wright Bros Plane	Boeing 747 8I
Total Engine HP	12 HP	~ 90,000 HP
Engine Weight	~ 180 lbs	12,400 lbs
Top Speed	~ 30 mph	~ 600 mph (cruising)

Advancements From Wright Bros

- Boeing 747-8 can carry almost 500 passengers up to 8000 miles.
- Mankind has walked on the moon.
- Goods and food products are able to be transported all over world.
- Completely changed the rules of warfare.
- Set in place foundation for Globalization to take place.