

ACTIVITY: Aviation in History

DRAW A LINE FROM SOME OF AVIATION'S PIONEERS (ON THE LEFT) TO THEIR AIRCRAFT OR ACCOMPLISHMENT (ON THE RIGHT.)



Library of Congress

Charles Lindbergh flew this to Paris in May, 1927...



NASA

Space Shuttle

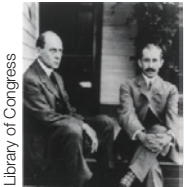
Neil Armstrong was first to do this...



NASA

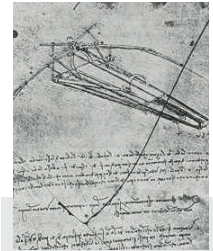


----- Cub



Library of Congress

Orville and Wilbur Wright built and flew this, the first powered, controllable airplane...



Ornithopter

William T. Piper's Piper Aircraft built thousands of these for private flying and pilot training after World War II



NASA

Bell X1



The company Clyde Cessna started (in 1927) has built 40,000 of these, the most-produced single airplane model in history....



NASA

July, 1969

Leonardo da Vinci imagined a human-powered aircraft 400+ years ago...



Library of Congress

December 17, 1903

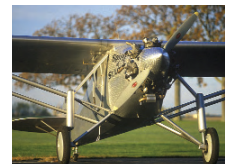


Chuck Yeager, first to fly faster than the speed of sound, flew this...



----- 172

Eileen Collins was the first woman commander of the...

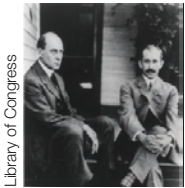


The Spirit of St. Louis

**ACTIVITY: Aviation in History**

**FROM THE FOLLOWING TO FILL IN THE BLANKS BELOW:**

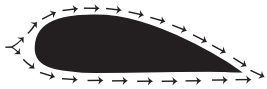
- |              |                   |           |                |
|--------------|-------------------|-----------|----------------|
| Cessna       | Harriett Quimby   | Paris     | 1912           |
| Chuck Yeager | Leonardo da Vinci | Armstrong | Piper          |
| Bernoulli    | Amelia Earhart    | 1947      | 1969           |
| 1903         | Willa Brown       | New York  | Wright         |
| 1920s        | Bessie Coleman    | Tuskegee  | Armstrong      |
| General      | Space Shuttle     | Military  | Eileen Collins |



Library of Congress

1. Two brothers, Wilbur and Orville \_\_\_\_\_, mastered lift, power and flight control to make the first successful powered, controlled flight in 19 \_\_ \_\_.

2. Centuries earlier, the first person to study the problems of flight scientifically was the Italian \_\_\_\_\_. He lived from 1452 to 1519.



3. The \_\_\_\_\_ Effect – the principle that air moving faster over the curved top of a wing creates a partial vacuum and “lift” — is named for this 18th Century Italian.

4. The first American woman to learn to fly was \_\_\_\_\_.

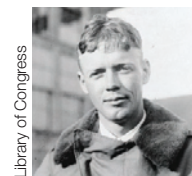
2002 National Air and Space Museum Smithsonian Institution



NASA

5. The first African-American woman to earn a pilot license was \_\_\_\_\_. She flew during the 19 \_\_ \_\_s.

6. The first person to fly solo, non-stop across the Atlantic Ocean was Charles Lindbergh. In 1927, he flew from \_\_\_\_\_ to \_\_\_\_\_.



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7. \_\_\_\_\_ was the first woman to cross the Atlantic in a plane and the first woman to fly across the U.S. She tried to fly around the world in 1937.

8. Three longtime pioneers in airplane manufacturing all started in the 1920s or 1930s, but their companies' modern planes are still numerous at any airport. They are \_\_\_\_\_, \_\_\_\_\_ and Beech.



9. A leading pilot, she was a pioneer in aviation and flight training for African-Americans in the 1930s and 1940s. She was \_\_\_\_\_.

10. A small group of African-American pilots were trained to fly for World War II at a famous Historically Black College in Alabama, from which they took their name. They were The \_\_\_\_\_ Airmen.



NASA

11. The first person to fly faster than Mach 1 – the speed of sound – became well-known after the book and movie, “The Right Stuff.” Air Force pilot \_\_\_\_\_ flew the rocket-powered X-1 to “break the sound barrier” in 19 \_\_\_\_.

12. Early U.S. astronauts were selected from the nation's best military test pilots. Alan Sheppard was the first launched into space – a suborbital “shot” in 1961.

In 1962, John Glenn (later a U.S. Senator) was the first American to orbit the earth – the goal of Project Mercury.

Later, civilian pilots became astronauts. By July, 19 \_\_ \_\_, former civilian test pilot Neil \_\_\_\_\_ was the first person to walk on the Moon – the goal of Project Apollo.



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**ACTIVITY: Aviation in History**


13. Eileen Collins was the first woman to pilot and later command the \_\_\_\_\_.

14. Circle one: More than **6,000 / 60,000 / 600,000 / 6 Million** Americans currently have an active pilot license.

15. Airlines fly 700+ million passengers between the country's 400-700 largest airports every year.

16. Circle one: General Aviation carries more than **10,000 / 100,000 / One Million / Ten Million / 100 Million** people a year.

17. General Aviation is all of aviation except the airlines and the \_\_\_\_\_.

**AVIATION AND YOU**

1. Your nearest airport is \_\_\_\_\_ (airport name) in \_\_\_\_\_ (town name.)

2. The \_\_\_\_\_ airport \_\_\_\_\_ providing \_\_\_\_\_ airline \_\_\_\_\_ service \_\_\_\_\_ to your town is \_\_\_\_\_.

**Hint:** Are they the same airport? Did you forget a local airport that's closer than the airline-service airport?

**ACTIVITY: Aviation in History****SELECT A PILOT OR AVIATION PIONEER TO RESEARCH****ANSWER THE FOLLOWING ON WHOEVER YOU CHOSE TO MAKE A PRESENTATION TO THE CLASS:**

1. What contribution did this person make to aviation?
2. Why did you select this person? What personal qualities or actions did you find most worthwhile?
3. Did this person overcome some obstacle to accomplish whatever they did? If so, what was it?
4. Did this person invent something that is still used in aviation today?
5. Did this person do something that has an impact on non-pilots? If so, how or what?