



PLTW Flight and Space Virtual Learning

**8th Grade/Air and Space  
Museum Virtual Field Trip**

April 17, 2020



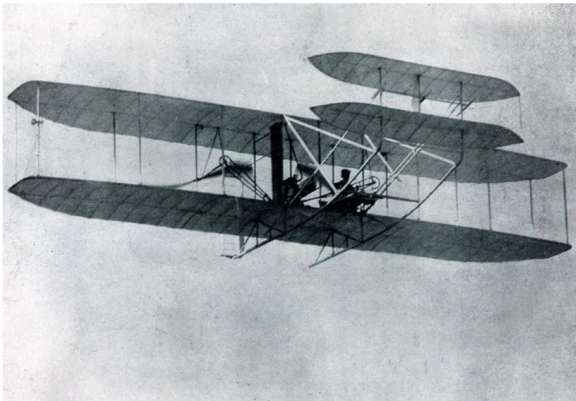
8th Grade/Flight and Space  
Lesson: April 17, 2020

**Objective/Learning Target:**  
**Students will learn about the history of Flight and Space.**

# Warm-Ups:

Answer the following questions on [Cornell Notes](#) or notebook paper.

1. Why was the Wright brothers' flight so significant?
2. How do transportation options affect the way we live, work, play, and travel?
3. What kinds of planes do you think will exist in the future?



# **Lesson Introduction/Background Information:**

## **National Air and Space Museum Scavenger Hunt**

You will be taking a virtual tour of the National Air and Space Museum in Washington, D.C.

The collection that started in 1876 with a group of 20 kites has grown to nearly 60,000 objects. The Museum remains the preeminent American institution for memorializing flight, and for collecting, preserving, and presenting aviation and space technology. It also plays a pivotal role in planetary research. Today the Museum's Center for Earth and Planetary Studies has team members on all active missions to Mars (the Mars Exploration Rovers, Mars Reconnaissance Orbiter, Mars Express spacecraft), Mercury (MESSENGER spacecraft), and the Moon (Lunar Reconnaissance Orbiter).

# Practice:

Go to the following website: [Virtual Tour of the National Air and Space Museum](#)

The tour starts on the second floor. The following items will be found on the SECOND floor only. As you explore the museum, some tips for navigating through the virtual tour-

1. Use the X's found on the floor to move from place to place.
2. Note the names of the galleries and enter these to find some of the items.

Use the [Scavenger Hunt](#) file to help guide you through the museum and record your answers.

# Self-Assessment:

What was your favorite exhibit? Why?

Describe what the Spirit of St. Louis Display looks like.



## Extend Your Learning/Continued Practice:

Learn more about [Write brothers](#)

Here's a short [visual history of aviation](#)