

# 30 Days of History: History of Flight

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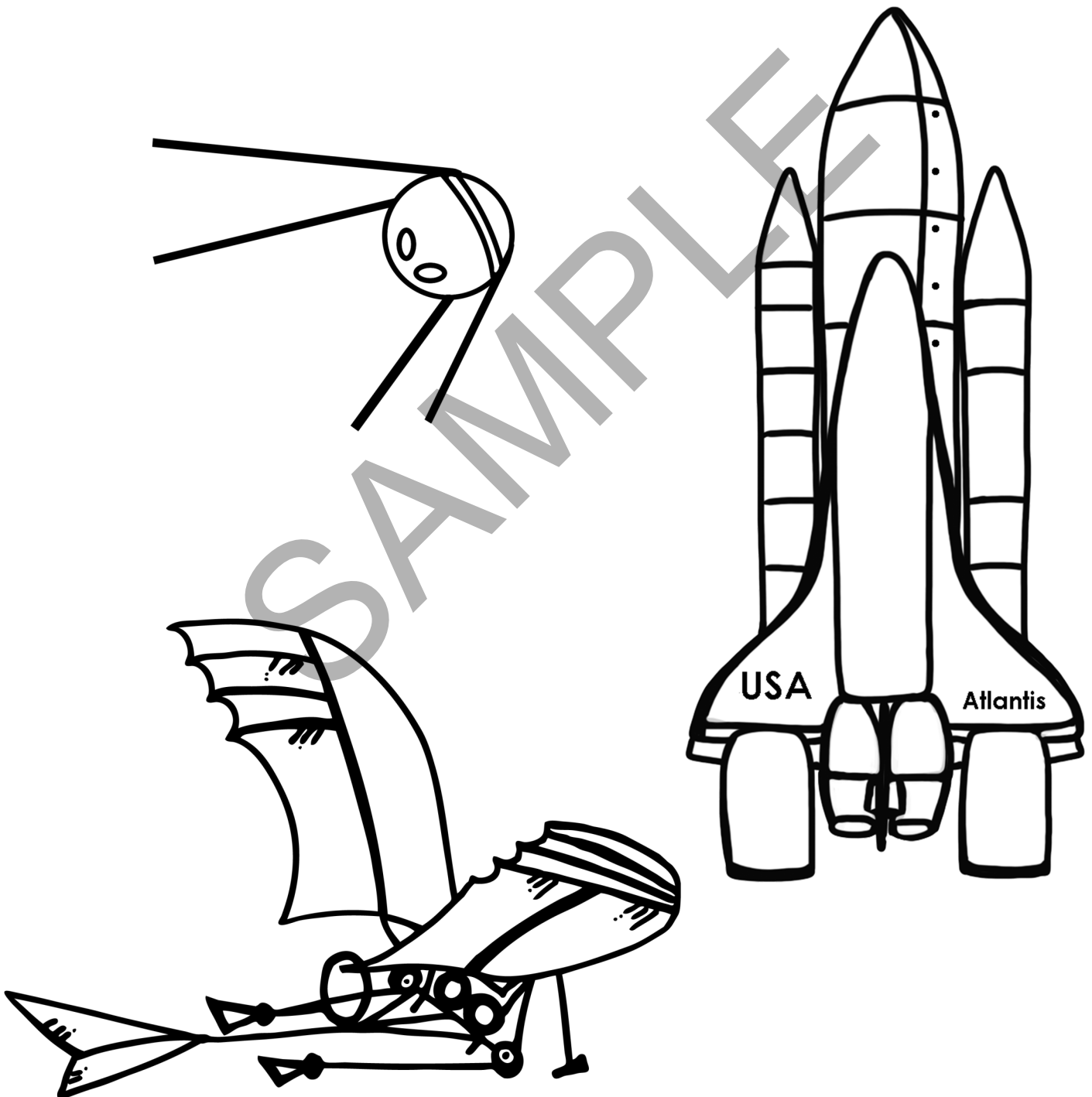
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SAMPLE

## Introduction

30 Days of History is designed to give your students 4-6 weeks of daily work focused on a specific topic or time period. Each looks at significant terms and events and asks 7 questions on each that will draw your students into researching and learning more. 30 Days of History: History of Flight looks at this important period in history. This can be used as a supplement to your history class, a tool to help develop research skills, or fun work to fill in as needed. However you use it, you're sure to learn more about flight and discover history along the way.



# The Dream of Flying

Myths from ancient times tell of people who supposedly could fly, which lets us know that people have always dreamt of flying. In about the year 1010, Eilmer of Malmesbury, England, attached wings to his arms with the hope of flying. In 1536, a man named Bolori made wings with a spring mechanism in them that made the wings flap. In 1742, the Marquis de Bacqueville attached wings to his arms and legs to try to fly. These methods did not succeed in any practical way, but this did not stop the dream.

Leonardo da Vinci made drawings for inventions that could be used as flying machines. What was the ornithopter? Approximately when did da Vinci make drawings for this invention?\_\_\_\_\_

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What was da Vinci's helical airscrew? Approximately when did he make the drawings for this invention? \_\_\_\_\_

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What was lacking in da Vinci's time that presented a major problem in trying to make his ideas for flying machines work? \_\_\_\_\_

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What invention did da Vinci draw in 1495 that looked like a big cloth pyramid? How long was it before it came into actual use? What was the first known use of it? \_\_\_\_\_

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Who was Karl Friederich Meerwein? What did he invent in 1781? Briefly describe how it was to work. \_\_\_\_\_

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Define aerodynamics. \_\_\_\_\_

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The shape of what part of a glider or an airplane has a great impact on the aerodynamics? How does the shape of this part impact the aerodynamics? \_\_\_\_\_

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## Space Stations and Agencies

After Salyut and Skylab, there were other space stations put into orbit around the Earth.

What was Mir? When was the first part of Mir launched? What country launched Mir? What happened to Mir? \_\_\_\_\_

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What was Space Station Freedom? Who took part in the original plan for Space Station Freedom? What change was made in 1993? Who was invited to join the program? What new name was given to Space Station Freedom? \_\_\_\_\_

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Describe when and how this new space station was launched and the way it has grown. How are astronauts taken to the space station? How many countries have had a part in this space station? \_\_\_\_\_

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What is the European Space Agency? Name the countries that are involved. When was it formed? \_\_\_\_\_

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What is the Japan Aerospace Exploration Agency? When was it formed? What organizations were combined to form it? What notable launches has it taken part in? \_\_\_\_\_

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What is the China National Space Administration? Until 1992, what did it concentrate on? What did China develop in 1992 with the hope of achieving human spaceflight? What did China accomplish on October 15, 2003? \_\_\_\_\_

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Who established the Committee on the Peaceful Uses of Outer Space in 1959? How many countries were a part of this committee in 2017? In 1967, one of its most important treaties was developed by the committee. What was it? \_\_\_\_\_

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