

## Objective

By the end of this lesson, you will have a better understanding of math, science, history, and English concepts related to flying planes.

## Materials and Prep

- Paper and pencil
- Internet access (optional)

Prior knowledge of basic addition, subtraction, multiplication, and division is helpful but not required.

## Activities

- **Math:** Calculate the distance traveled by a plane in different time intervals. For example, if a plane flies at a speed of 500 miles per hour, how far will it travel in 2 hours? 4 hours? 8 hours?
- **Science:** Research and learn about the principles of flight. Explore concepts such as lift, drag, thrust, and gravity. Design and build a simple paper airplane to experiment with these principles.
- **History:** Study the history of aviation. Learn about the Wright brothers and their contributions to the development of airplanes. Create a timeline or a short presentation highlighting key milestones in aviation history.
- **English:** Write a creative story or a poem about flying in an airplane. Use descriptive language to capture the excitement and sensations experienced during a flight.

## Talking Points

- **Math:** "Math helps us understand how far a plane can travel in a given amount of time. Let's calculate the distance traveled by a plane flying at a certain speed."
- **Science:** "To understand how planes fly, we need to learn about different forces acting on them. These forces include lift, drag, thrust, and gravity."
- **History:** "Aviation has come a long way since the first successful flight by the Wright brothers. They were pioneers who made significant contributions to the development of airplanes."
- **English:** "Writing allows us to express our thoughts and imagination. Let's write a story or a poem about the joy of flying in an airplane."