



AVIATION WEEK LESSON PLAN

Monday

Activity: What does an air traffic controller do?

Tuesday

Field Trip: Evergreen Aviation & Space Museum

Wednesday

Activity: Drag Races: What is drag?

Activity: Corn Syrup Races: How does shape reduce drag?

Thursday

Activity: Paper Bag Bernoulli: How does moving air create lift?

Friday

Activity: Paper Bag Kites: What makes a kite fly?

About Aviation Week



Get ready for a high-flying adventure! During Aviation Week, kids will explore the wonders of flight through engaging STEM activities, hands-on experiments, and creative projects. They'll learn about different things that fly in the air, airplanes, helicopters, and even birds! This week will inspire curiosity and imagination as we reach for the skies!

1- Monday



Today, the kids will step into the exciting roles of air traffic controllers and pilots! Together, they will design a system that ensures safe and efficient movement from one destination to another.

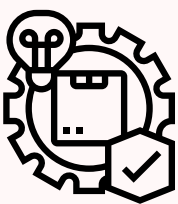
Through this interactive challenge, children will develop critical thinking, teamwork, and problem-solving skills while having fun navigating their way through the skies!

2-Tuesday



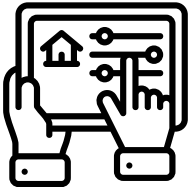
Today, we're taking off on an exciting adventure to the Evergreen Aviation and Space Museum! This trip will give kids the opportunity to explore real aircraft learn about the history of aviation; and discover the wonder of space travel.

3-Wednesday



Today, we're diving into the world of aerodynamics as wind tunnel technicians and mechanical engineers! Through hands-on testing and simulations, we'll explore how different shapes interact with air resistance and rank them based on drag. By the end of the activity, kids will gain a deeper understanding of how engineers reduce drag in airplanes, rockets, and even race cars!

4-Thursday



Today, you will step into the shoes of an engineer and take on a fun challenge- designing a moving tongue for a paper bag mask! But there's a catch! The only way to make it move is by using air. This activity will encourage creativity, critical thinking, and hands-on exploration of how airflow can create motion- just like how planes, kites, and even wind powered machines work!

5-Friday



Today, you will become a systems engineer and take on the challenge of designing a paper bag kite that can fly above your waist! Your goal is to create an opening that allows air to flow through, lifting the kite into the air. This hands-on activity will help you think like an engineer, experimenting with airflow and lift- just like real aerospace engineers designing aircraft and parachutes!