Program: Flying Gizmo Show I, II
Grade Level: K to 8
Group Size: Max. 300
Length: 50 minutes
Location: At your site

OVERVIEW

Students learn the history and science of flight in this interactive, assembly-style program using flying toys and models.

BIG IDEAS

- In order to fly, an object must overcome gravity
- Four forces of flight: gravity, lift, drag, and thrust
- Flying machines have changed and evolved over time

OUTCOMES – What will the students know or be able to do at the end of the lesson?

- List and understand the four forces of flight

Vocabulary

- Four forces of flight: gravity, lift, drag, thrust
- Ornithopter
- Angle of attack
- Airfoil
- Bernoulli’s principle

Extended Learning

In your classroom:
Research some of the inventors discussed in the show: Leonardo da Vinci, Joseph and Étienne Montgolfier, Otto Lilienthal, Wilbur and Orville Wright
Standards Supported – NGSS/CCSS/21st Century Skills

Next Generation Science Standards (NGSS)

- Engineering Design: K-2-ETS1-1, K-2-ETS1-3
- Motion and Stability: 5-PS2-1

Common Core State Standards (CCSS)


21st Century Skills

- Creativity and Innovation
- Communication and Collaboration

Reservations

For reservations, please call 206-768-7175 or email: outreach@museumofflight.org.
For grant assistance, please visit www.museumofflight.org/education/grant-assistance.