

# Aerospace Propulsion Audiovisual Materials

## AUDIO VIDEO LOAN PROGRAM

A variety of audiovisual programs may be borrowed for showing to school, civic, professional and youth groups. There is no charge for this program. Mailing costs are also covered. These programs make excellent pre-visit or follow-up activities for outreach programs as well as planned visits to the museum. Several of the programs tie directly into workshop topics. The programs may also be used in lieu of a museum visit for those groups unable to attend.

### Scheduling Information

- Programs will not be loaned to minors.
- Programs should be ordered at least 30 days in advance of the preferred showing dates.
- Only one program can be loaned to a requestor within a three week period.
- The program should be returned the day following your showing date. Scheduling for this popular service is on a tight timetable and overdue programs mean cancellation for the next requestor.
- You must use the official [Audiovisual Request form](#). The form may be e-mailed, or reproduced and mailed or faxed. No phone requests for audiovisual materials will be accepted. Call (937) 255-4666 for more information.
- Be sure to provide at least one preferred date and several alternate dates. Allow three weeks between each date.

### Audiovisual Materials:

#### **V074 The History of Flight**

Grades 6-12

60 minutes

Features two 30-minute NASA programs on the history of powered flight. The first examines man's quest for flight and the technology needed to reach our lofty goals. Start with actual footage of early flying contraptions, witness man's unending struggle to fly farther, faster and higher. The second program is an interview with aviation pioneer and historian Paul Garber. He relates his experiences with aviation giants Orville Wright, Charles Lindbergh, Glenn Curtiss, Amelia Earhart, Howard Hughes and others.

#### **V095 Understanding Flight**

Grades 6-12

51 minutes

Explore the secrets of travel from birds to human flight. Discover the technique and skill of flying through graphics that demonstrate the four forces of flight. Actor John Travolta, author Tom Clancy, aircraft designer Burt Rutan and aerobatic pilot Patty Wagstaff discuss flying. [From the Discovery Channel]

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## **V098 Inventors & Inventions: Air and Space**

Grades K -5

28 minutes

From helicopters to observatories, the four segments explore Leonardo da Vinci and the helicopter, Galileo's Telescope, the Wright brothers and Lowell's Observatory. [From the Discovery Channel]

## **V085 Jet Engines**

Grades 6-12

50 minutes

Chronicles the development of the jet engine, from early German and British experimentation with turbojets to modern ramjet and scramjet technology. Jet and rocket engines are compared, and many exciting aircraft are depicted, such as the Bell X-1 and the SR-71 Blackbird. [From the History Channel]

## **V051 Faster Than Sound**

Grades 4-12

60 minutes

On Oct. 14, 1947, U.S. Air Force Capt. Chuck Yeager flew the rocket- powered Bell X-1 faster than the speed of sound. This video shows footage of dramatic test flights as well as how aircraft designers invented the wings, fuselages and engines that pushed aircraft to supersonic limits. [NOVA series]

## **V092 Understanding Space Travel**

Grades 6-12

52 minutes

Off we go into the wild blue yonder, spending billions of dollars to reach farther and farther into space. Probe space exploration and the complex physics behind rocket science, thrust and gravity. [From the Discovery Channel]