Objective

Activity
1. Show students a picture of a modern airliner that can be found in a magazine or book. Talk about how research and engineering make improvements in machines over time (example, airplanes, computers, etc.)
2. Review what a time line is and why it is an important way of displaying information.
3. Hand out the Student Pages (Time Line Events, and illustrated Time Line). Briefly discuss events on the sheet and how they depict a time line.

Extension
Have students predict what future events and designs in aviation might look like. Draw pictures and write about it.
The NASA/AVRon environment Pathfinder became the first solar-powered aircraft to
nonstop without refueling. Dick Rutan and Jeana Yeager flew Voyager around the world
to fly across the English Channel.
The cannabis Albatross was the first craft powered by a human (Bryan Allen).
Chuck Yeager became the first pilot to break the sound barrier.
Ocean from Hawaii to California.
Amelia Earhart was the first person to fly solo across the Pacific.
Ocean non-stop.
Charles Lindbergh was the first person to fly across the Atlantic.
Flying Borel
across the Atlantic Ocean, making several stops in the Curious
Lieutenant-Commander J.C. Read and his crew were the first to fly
Paul Comlin built the first free-flying helicopter.
could control.
The Wright brothers developed the first motor-powered airplane that a pilot
One Lilienthal built the first practical glider for long flights.
Wing glider that lifted a person off the ground.
Sir George Cayley, "The Father of Aerial Navigation," designed the first hot-air balloon.
Joseph and Elizur Whitney launched the first passenges-a
vehicle.
Leonardo da Vinci designed the ornithopter (a winged bicycle).
The first kites were invented by the Chinese.

Use these events to begin your time line.
Lilienthal glider
1891

Montgolfier brothers
1789

First hot air balloon
1750-1799

Chinese invent kites
400 BC

First motor-powered airplane flight
Wright brothers
1903

Sir George Cayley
1849

Da Vinci ornithopter
1485

Date Range
1450-1499

Date Range
1800-1850

Date Range
1900-1949

Date Range
1850-1899
1997
NASA/AeroVironment
above the stratosphere
First solar-powered aircraft to fly

1986
Jeana Yeager & Dick Rutan
First nonstop flight around the world

design event is of the future.

or

aeronautic/ical event’s,
researching her
Add to the timeline by