

Books

Best Ever Paper Airplanes, Sterling Publications; ISBN: 0806909048, \$3.99

Patterns and airplanes to fold and fly.

The World Record Paper Airplane Book, Blackburn, K., and J. Lammers, ISBN: 1563056313 Workman Press, 1994, \$11.60

When an aerospace engineer--who also happens to be a paper airplane world record holder--gets together with a mechanical engineer to produce a paper airplane book, you know it's going to be special! Mixing science, innovation, and enthusiasm, *The World Record Paper Airplane Book* features 16 models, with five full-color versions of each, a full-color pull-out landing strip for accuracy practice and a flight log.

Charles A. Lindbergh: A Human Hero, Giblin, James Cross. Clarion Books, 1997.

This is the fascinating story of the pilot who earned his place in aviation history and became *the* American hero overnight after his nonstop transatlantic flight, but then fell quickly into disgrace because of his relationship with Nazi Germany.

Web Sites

NASA sub site includes information on flight testing, careers, and how to build your own aircraft.

<http://www.dfrc.nasa.gov/trc/Education/index.html>

Stability of an aircraft with diagrams and explanations.

<http://www.ae.gatech.edu/research/windtunnel/classes/dci/stabty/dci07.html>

Paper Air Machines: A diagram of a paper airplane to fold

<http://www.geocities.com/EnchantedForest/5959/printf36.html>

National Science Content Standards

Content Area	Standards
Physical Science	A1, C1
Earth Science	A8
Science and Technology	A1, A2, A3, A4, A5, B2, B3, B4, B5
Science in Personal & Social Perspectives	A2, C2, D2, D3, D4, E3, E4, E5
History and Nature of Science	A1, A2, B1, B3, C1

First Flight!

To return to the lesson, select Exit from the File pull-down menu.

Materials		
Activity	Material	Amount
A Balancing Act	Meter stick	1 per group
	Cardboard	1 per group
	Scissors	1 per group
	Paper (sheet of notebook or copier paper)	1 per group
	Straight pin	1 per group
	Thumb tack or bent paper clip	1 per group
	String (a few pieces)	per group
	Washers or other objects for weights (several)	per group
Out to Launch	Paper (several sheets - notebook or copier)	per group
	Paper clips (several)	per group
	Tape	per group
	Stopwatch or watch with a second hand	1 per group
	Ruler or tape measure	1 per group
Puppet Plane	Small balsa wood glider	1 per group
	Electric fan	1 per group
	String or thread (thin)	1 per group
	Wood or cardboard (10cm x 10cm block)	1 per group
	Poster board	1 per group
Up Where the Air is Rare	Graph paper (several sheets)	per group
	Construction paper	per group
	Colored pens or pencils	per group

To return to the lesson, select Exit from the File pull-down menu.