

Courage to Soar			
2009 Science			
Core Curriculum Content Standards			
New Jersey Science			
Grades 3-4			
Activity/Lesson	State	Standards	
Kite Flight	NJ	SCI.3-4.5.1.4.B.1	Design and follow simple plans using systematic observations to explore questions and predictions.
Kite Flight	NJ	SCI.3-4.5.1.4.C.2	Revise predictions or explanations on the basis of learning new information.
Aviation Pioneers	NJ	SCI.3-4.5.1.4.B.b	Tools and technology are used to gather, analyze, and communicate results.
Looking for Answers:A research project	NJ	SCI.3-4.5.1.4.B.4	Communicate and justify explanations with reasonable and logical arguments.
The Matter of Air	NJ	SCI.3-4.5.1.4.B.1	Design and follow simple plans using systematic observations to explore questions and predictions.
The Matter of Air	NJ	SCI.3-4.5.2.4.A.b	Each state of matter has unique properties (e.g., gases can be compressed, while solids and liquids cannot; the shape of a solid is independent of its container; liquids and gases take the shape of their containers).
The Four Forces of Flight	NJ	SCI.3-4.5.1.4.A.a	Fundamental scientific concepts and principles and the links between them are more useful than discrete facts.
Controlling the Plane	NJ	SCI.3-4.5.1.4.C.2	Revise predictions or explanations on the basis of learning new information.