

Courage to Soar			
2007 Science			
Curriculum Standards			
Kansas Science			
Grades 3-4			
Activity/Lesson	State	Standards	
Kite Flight	KS	SCI.3-4.1.1.1	Ask questions that he/she can answer by investigating.
Kite Flight	KS	SCI.3-4.7.1.1	Recognizes that students participate in science inquiry by asking questions.
Kite Flight	KS	SCI.3-4.7.1.2	Studies the lives of people who made scientific contributions.
Soaring Higher	KS	SCI.3-4.7.1.2	Studies the lives of people who made scientific contributions.
Aviation Pioneers	KS	SCI.3-4.5.2.4	Develops an awareness that women and men of all ages, backgrounds, and ethnic groups engage in a variety of scientific and technological work.
Aviation Pioneers	KS	SCI.3-4.7.1.2	Studies the lives of people who made scientific contributions.
Having the Right Stuff	KS	SCI.3-4.5.2.4	Develops an awareness that women and men of all ages, backgrounds, and ethnic groups engage in a variety of scientific and technological work.
Having the Right Stuff	KS	SCI.3-4.7.1.2	Studies the lives of people who made scientific contributions.
Flying a Styrofoam Plane	KS	SCI.3-4.2.1.1	Observes properties of objects and measures those properties using appropriate tools.
Looking for Answers:A research project	KS	SCI.3-4.1.1.3	Employs appropriate equipment, tools, and safety procedures to gather data.
The Matter of Air	KS	SCI.3-4.2.1.4	Recognizes and describes the differences between solids, liquids, and gases.
Controlling the Plane	KS	SCI.3-4.2.2.1	Moves objects by pushing, pulling, throwing, spinning, dropping, and rolling; and describes the motion.
Courage to Soar			
2007 Science			
Curriculum Standards			
Kansas Science			
Grades 5-7			
Activity/Lesson	State	Standards	
Kite Flight	KS	SCI.5-7.1.1.1	Identifies questions that can be answered through scientific investigations.
Kite Flight	KS	SCI.5-7.1.2.1	Develops questions and adapts (frames) the inquiry process to guide the appropriate type of investigation.

Soaring Higher	KS	SCI.5-7.1.1.2	Designs and conducts scientific investigations safely using appropriate tools, mathematics, technology, and techniques to gather, analyze, and interpret data.
Soaring Higher	KS	SCI.5-7.5.2.1	Compares the work of various types of scientists and engineers.
Soaring Higher	KS	SCI.5-7.5.2.2	Evaluates benefits, risks, limitations and trade-offs of technological solutions.
Aviation Pioneers	KS	SCI.5-7.1.1.2	Designs and conducts scientific investigations safely using appropriate tools, mathematics, technology, and techniques to gather, analyze, and interpret data.
Aviation Pioneers	KS	SCI.5-7.5.2.1	Compares the work of various types of scientists and engineers.
Having the Right Stuff	KS	SCI.5-7.5.1.1	Identifies appropriate problems for technological design, designs a solution or product, implements the proposed design, evaluates the product, and communicates the process of technological design.
Having the Right Stuff	KS	SCI.5-7.5.2.1	Compares the work of various types of scientists and engineers.
Flying a Styrofoam Plane	KS	SCI.5-7.2.2.2	Measures and graphs the effects of temperature on matter.
Looking for Answers:A research project	KS	SCI.5-7.1.1.2	Designs and conducts scientific investigations safely using appropriate tools, mathematics, technology, and techniques to gather, analyze, and interpret data.
Looking for Answers:A research project	KS	SCI.5-7.1.1.4	Communicates scientific procedures, results and explanations.
The Matter of Air	KS	SCI.5-7.2.1.1	Compares and classifies the states of matter; solids, liquids, gases, and plasma
The Matter of Air	KS	SCI.5-7.7.2.1	Recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
The Four Forces of Flight	KS	SCI.5-7.2.3.1	Identifies the forces that act on an object (e.g., gravity and friction)
The Four Forces of Flight	KS	SCI.5-7.2.3.4	Investigates and explains how simple machines multiply force at the expense of distance.
The Four Forces of Flight	KS	SCI.5-7.7.2.1	Recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.