

Courage to Soar			
1999 Science			
Core Curriculum			
New York Science			
Grades K-4			
Activity/Lesson	State	Standards	
Kite Flight	NY	SCI.K-4.1.S1.1b	Articulate appropriate questions based on observations
Kite Flight	NY	SCI.K-4.1.T1.2a	Identify appropriate questions to ask about the design of an object
Aviation Pioneers	NY	SCI.K-4.7.2.1	Solving interdisciplinary problems involves a variety of skills and strategies, including effective work habits;
Aviation Pioneers	NY	SCI.K-4.7.2.3	Solving interdisciplinary problems involves a variety of skills and strategies, including generating and analyzing ideas;
Having the Right Stuff	NY	SCI.K-4.7.2.1	Solving interdisciplinary problems involves a variety of skills and strategies, including effective work habits;
Flying a Styrofoam Plane	NY	SCI.K-4.7.2.3	Solving interdisciplinary problems involves a variety of skills and strategies, including generating and analyzing ideas;
Looking for Answers:A research project	NY	SCI.K-4.1.T1.2b	Identify the appropriate resources to use to find out about the design of an object
Looking for Answers:A research project	NY	SCI.K-4.2.2.2	Consult several sources of information and points of view before drawing conclusions
The Matter of Air	NY	SCI.K-4.7.2.1	Solving interdisciplinary problems involves a variety of skills and strategies, including effective work habits;
The Matter of Air	NY	SCI.K-4.7.2.3	Generate and analyze ideas
The Four Forces of Flight	NY	SCI.K-4.7.2.1	Solving interdisciplinary problems involves a variety of skills and strategies, including effective work habits;
Courage to Soar			
1999 Science			
Core Curriculum			
New York Science			
Grades 5-8			
Activity/Lesson	State	Standards	
Kite Flight	NY	SCI.5-8.1.S3.2f	Interpret the organized data to answer the research question or hypothesis and to gain insight into the problem. Make predictions based on experimental data
Aviation Pioneers	NY	SCI.5-8.1.S1.2a	Construct explanations independently for natural phenomena, especially by proposing preliminary visual models of phenomena. Independently formulate a hypothesis

Aviation Pioneers	NY	SCI.5-8.1.S2.1c	Use conventional techniques and those of their own design to make further observations and refine their explanations, guided by a need for more information. Design and conduct an experiment to test a hypothesis
Flying a Styrofoam Plane	NY	SCI.5-8.1.S2.1c	Use conventional techniques and those of their own design to make further observations and refine their explanations, guided by a need for more information. Design and conduct an experiment to test a hypothesis
Flying a Styrofoam Plane	NY	SCI.5-8.1.S2.2c	Develop, present, and defend formal research proposals for testing their own explanations of common phenomena, including ways of obtaining needed observations and ways of conducting simple controlled experiments. Design a simple controlled experiment
Looking for Answers:A research project	NY	SCI.5-8.2.1.3	Systematically obtain accurate and relevant information pertaining to a particular topic from a range of sources, including local and national media, libraries, museums, governmental agencies, industries, and individuals.
The Matter of Air	NY	SCI.5-8.1.S1.2a	Construct explanations independently for natural phenomena, especially by proposing preliminary visual models of phenomena. Independently formulate a hypothesis
The Matter of Air	NY	SCI.5-8.1.S2.1b	Use conventional techniques and those of their own design to make further observations and refine their explanations, guided by a need for more information. Conduct an experiment designed by others
The Four Forces of Flight	NY	SCI.5-8.1.S2.1b	Use conventional techniques and those of their own design to make further observations and refine their explanations, guided by a need for more information. Conduct an experiment designed by others
The Four Forces of Flight	NY	SCI.5-8.1.S2.1c	Use conventional techniques and those of their own design to make further observations and refine their explanations, guided by a need for more information. Design and conduct an experiment to test a hypothesis
Controlling the Plane	NY	SCI.5-8.1.S3.2f	Interpret the organized data to answer the research question or hypothesis and to gain insight into the problem. Make predictions based on experimental data