

Courage to Soar			
2010 Science			
Standards of Learning			
Virginia Science			
Grade 3			
Activity/Lesson	State	Standards	
Kite Flight	VA	SCI.3.3.1.b	Predictions are formulated using a variety of sources of information
Kite Flight	VA	SCI.3.3.1.g	Questions are developed to formulate hypotheses
Looking for Answers:A research project	VA	SCI.3.3.1.b	Predictions are formulated using a variety of sources of information
Looking for Answers:A research project	VA	SCI.3.3.1.h	Data are gathered, charted, graphed, and analyzed
The Matter of Air	VA	SCI.3.3.1.b	Predictions are formulated using a variety of sources of information
Controlling the Plane	VA	SCI.3.3.1.b	Predictions are formulated using a variety of sources of information
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2010 Science			
Standards of Learning			
Virginia Science			
Grade 4			
Activity/Lesson	State	Standards	
Kite Flight	VA	SCI.4.4.1.e	Predictions and inferences are made, and conclusions are drawn based on data from a variety of sources
Soaring Higher	VA	SCI.4.4.2.a	Motion is described by an object's direction and speed;
Flying a Styrofoam Plane	VA	SCI.4.4.1.g	Constants in an experimental situation are identified;
Looking for Answers:A research project	VA	SCI.4.4.1.e	Predictions and inferences are made, and conclusions are drawn based on data from a variety of sources;
The Matter of Air	VA	SCI.4.4.1.a	Distinctions are made among observations, conclusions, inferences, and predictions;
The Matter of Air	VA	SCI.4.4.1.e	Predictions and inferences are made, and conclusions are drawn based on data from a variety of sources;
The Four Forces of Flight	VA	SCI.4.4.2.b	Changes in motion are related to force and mass;
The Four Forces of Flight	VA	SCI.4.4.2.c	Friction is a force that opposes motion; and
Controlling the Plane	VA	SCI.4.4.1.a	Distinctions are made among observations, conclusions, inferences, and predictions;
Controlling the Plane	VA	SCI.4.4.1.e	Predictions and inferences are made, and conclusions are drawn based on data from a variety of sources;

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Standards of Learning			
Virginia Science			
Grade 5			
Activity/Lesson	State	Standards	
Kite Flight	VA	SCI.5.5.1.d	Hypotheses are formed from testable questions
Kite Flight	VA	SCI.5.5.1.h	Predictions are made using patterns from data collected, and simple graphical data are generated
Aviation Pioneers	VA	SCI.5.5.1.d	Hypotheses are formed from testable questions
Flying a Styrofoam Plane	VA	SCI.5.5.1.d	Hypotheses are formed from testable questions
The Matter of Air	VA	SCI.5.5.1.d	Hypotheses are formed from testable questions
The Matter of Air	VA	SCI.5.5.1.h	Predictions are made using patterns from data collected, and simple graphical data are generated
Controlling the Plane	VA	SCI.5.5.1.h	Predictions are made using patterns from data collected, and simple graphical data are generated