Future Flight Design			
2005 Science			
Curriculum Framework			
Arkansas Science			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Air Transportation Problem	AR	SCI.5.NS.1.5.6	Develop and implement strategies for long-term, accurate data collection
Future Flight Design			
2005 Science			
Curriculum Framework			
Arkansas Science			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Aircraft Design Problem	AR	SCI.6.PS.6.6.3	Conduct investigations of various forces using SI units (newton)
Aircraft Design Problem	AR	SCI.6.PS.6.6.7.a	Describe the effects of force (move a stationary object)
Aircraft Design Problem	AR	SCI.6.PS.6.6.7.b	Describe the effects of force (speed up, slow down or change the direction of motion)
Aircraft Design Problem	AR	SCI.6.PS.6.6.8	Conduct investigations to demonstrate change in direction caused by force
Aircraft Design Problem	AR	SCI.6.PS.6.6.9	Conduct investigations to calculate the change in speed caused by applying forces to an object
Future Flight Design			
2005 Science			
Curriculum Framework			
Arkansas Science			
Grade 7			
Activity/Lesson	**State**	**Standards**	
Air Transportation Problem	AR	SCI.7.PS.6.7.5	Explain how Newton's three laws of motion apply to real world situations (e.g., sports, transportation)
Future Flight Design			
2005 Science			
Curriculum Framework			
Arkansas Science			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Air Transportation Problem	AR	SCI.8.NS.1.8.7	Communicate results and conclusions from scientific inquiry following peer review
Air Transportation Problem	AR	SCI.8.NS.1.8.10	Explain the role of peer review, evidence, and modification in the development of a theory
Aircraft Design Problem	AR	SCI.8.NS.1.8.3	Formulate a testable problem using experimental design