

Future Flight Design			
2009 Science			
Academic Standards			
Minnesota Science			
Grade 5			
Activity/Lesson	State	Standards	
Air Transportation Problem	MN	SCI.5.5.1.1.1.1	Explain why evidence, clear communication, accurate record keeping, replication by others, and openness to scrutiny are essential parts of doing science.
Air Transportation Problem	MN	SCI.5.5.1.3.4.1	Use appropriate tools and techniques in gathering, analyzing and interpreting data.
Aircraft Design Problem	MN	SCI.5.5.2.2.1.2	Identify the force that starts something moving or changes its speed or direction of motion.
Aircraft Design Problem	MN	SCI.5.5.2.2.1.3	Demonstrate that a greater force on an object can produce a greater change in motion.
Future Flight Design			
2009 Science			
Academic Standards			
Minnesota Science			
Grade 6			
Activity/Lesson	State	Standards	
Aircraft Design Problem	MN	SCI.6.6.1.2.1.2	Recognize that there is no perfect design and that new technologies have consequences that may increase some risks and decrease others.
Aircraft Design Problem	MN	SCI.6.6.1.2.1.3	Describe the trade-offs in using manufactured products in terms of features, performance, durability and cost.
Aircraft Design Problem	MN	SCI.6.6.1.3.1.1	Describe a system in terms of its subsystems and parts, as well as its inputs, processes and outputs.
Aircraft Design Problem	MN	SCI.6.6.2.2.2.1	Recognize that when the forces acting on an object are balanced, the object remains at rest or continues to move at a constant speed in a straight line, and that unbalanced forces cause a change in the speed or direction of the motion of an object.
Aircraft Design Problem	MN	SCI.6.6.2.2.2.2	Identify the forces acting on an object and describe how the sum of the forces affects the motion of the object.
Future Flight Design			
2009 Science			
Academic Standards			
Minnesota Science			
Grade 8			

Activity/Lesson	State	Standards	
Air Transportation Problem	MN	SCI.8.8.1.3.3.2	Understand that scientific knowledge is always changing as new technologies and information enhance observations and analysis of data.