

Future Flight Design			
2008 Science			
Curriculum Standards			
Tennessee Science			
Grade 5			
Activity/Lesson	State	Standards	
Air Transportation Problem	TN	SCI.5.GLE 0507.Inq.1	Explore different scientific phenomena by asking questions, making logical predictions, planning investigations, and recording data.
Air Transportation Problem	TN	SCI.5.GLE 0507.11.1	Design an investigation, collect data and draw conclusions about the relationship among mass, force, and distance traveled.
Aircraft Design Problem	TN	SCI.5.GLE 0507.T/E.5	Apply a creative design strategy to solve a particular problem generated by societal needs and wants.
Aircraft Design Problem	TN	SCI.5.GLE 0507.11.1	Design an investigation, collect data and draw conclusions about the relationship among mass, force, and distance traveled.
Future Flight Design			
2008 Science			
Curriculum Standards			
Tennessee Science			
Grade 6			
Activity/Lesson	State	Standards	
Air Transportation Problem	TN	SCI.6.GLE 0607.Inq.2	Use appropriate tools and techniques to gather, organize, analyze, and interpret data.
Air Transportation Problem	TN	SCI.6.GLE 0607.Inq.5	Communicate scientific understanding using descriptions, explanations, and models.
Aircraft Design Problem	TN	SCI.6.GLE 0607.T/E.2	Know that the engineering design process involves an ongoing series of events that incorporate design constraints, model building, testing, evaluating, modifying, and retesting.
Future Flight Design			
2008 Science			
Curriculum Standards			
Tennessee Science			
Grade 7			
Activity/Lesson	State	Standards	
Air Transportation Problem	TN	SCI.7.GLE 0707.Inq.2	Use appropriate tools and techniques to gather, organize, analyze, and interpret data.
Air Transportation Problem	TN	SCI.7.GLE 0707.Inq.5	Communicate scientific understanding using descriptions, explanations, and models.

Aircraft Design Problem	TN	SCI.7.GLE 0707.T/E.2	Know that the engineering design process involves an ongoing series of events that incorporate design constraints, model building, testing, evaluating, modifying, and retesting.
Aircraft Design Problem	TN	SCI.7.GLE 0707.11.2	Apply the equation for work in experiments with simple machines to determine the amount of force needed to do work.
Aircraft Design Problem	TN	SCI.7.GLE 0707.11.4	Investigate how Newton's laws of motion explain an object's movement.
Future Flight Design			
2008 Science			
Curriculum Standards			
Tennessee Science			
Grade 8			
Activity/Lesson	State	Standards	
Air Transportation Problem	TN	SCI.8.GLE 0807.Inq.2	Use appropriate tools and techniques to gather, organize, analyze, and interpret data.
Air Transportation Problem	TN	SCI.8.GLE 0807.Inq.5	Communicate scientific understanding using descriptions, explanations, and models.
Aircraft Design Problem	TN	SCI.8.GLE 0807.T/E.2	Know that the engineering design process involves an ongoing series of events that incorporate design constraints, model building, testing, evaluating, modifying, and retesting.