

<b>Future Flight Design</b>			
<b>1997 Science</b>			
<b>Learning Standards</b>			
<b>Illinois Science</b>			
<b>Grades 4-5</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Air Transportation Problem	IL	SCI.4-5.11.A.2b	Collect data for investigations using scientific process skills including observing, estimating and measuring.
Air Transportation Problem	IL	SCI.4-5.13.B.2a	Explain how technology is used in science for a variety of purposes (e.g., sample collection, storage and treatment; measurement; data collection, storage and retrieval; communication of information).
Aircraft Design Problem	IL	SCI.4-5.11.B.2b	Develop a plan, design and procedure to address the problem identifying constraints (e.g., time, materials, technology).
Aircraft Design Problem	IL	SCI.4-5.11.B.2c	Build a prototype of the design using available tools and materials.
Aircraft Design Problem	IL	SCI.4-5.11.B.2e	Assess test results and the effectiveness of the design using given criteria and noting possible sources of error.
Aircraft Design Problem	IL	SCI.4-5.11.B.2f	Report test design, test process and test results.
<b>Future Flight Design</b>			
<b>1997 Science</b>			
<b>Learning Standards</b>			
<b>Illinois Science</b>			
<b>Grades 6-8</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Air Transportation Problem	IL	SCI.6-8.11.A.3a	Formulate hypotheses that can be tested by collecting data.
Air Transportation Problem	IL	SCI.6-8.11.A.3c	Collect and record data accurately using consistent measuring and recording techniques and media.
Aircraft Design Problem	IL	SCI.6-8.11.B.3b	Sketch, propose and compare design solutions to the problem considering available materials, tools, cost effectiveness and safety.
Aircraft Design Problem	IL	SCI.6-8.11.B.3c	Select the most appropriate design and build a prototype or simulation.
Aircraft Design Problem	IL	SCI.6-8.11.B.3f	Using available technology, report the relative success of the design based on the test results and criteria.