

Learning to Fly: The Wright Brother's Adventure			
2009 Science			
Essential Knowledge and Skills			
Texas Science			
Grade 6			
Activity/Lesson	State	Standards	
The Society	TX	SCI.6.3.D	relate the impact of research on scientific thought and society, including the history of science and contributions of scientists as related to the content.
The Society	TX	SCI.6.8.C	calculate average speed using distance and time measurements;
1901: The First Improvement	TX	SCI.6.8.B	identify and describe the changes in position, direction, and speed of an object when acted upon by unbalanced forces;
1904: Improvement in Dayton	TX	SCI.6.2.C	collect and record data using the International System of Units (SI) and qualitative means such as labeled drawings, writing, and graphic organizers;
Learning to Fly: The Wright Brother's Adventure			
2009 Science			
Essential Knowledge and Skills			
Texas Science			
Grade 7			
Activity/Lesson	State	Standards	
The Society	TX	SCI.7.3.D	relate the impact of research on scientific thought and society, including the history of science and contributions of scientists as related to the content.
1901: The First Improvement	TX	SCI.7.3.C	identify advantages and limitations of models such as size, scale, properties, and materials; and
1902: Success at Last	TX	SCI.7.3.C	identify advantages and limitations of models such as size, scale, properties, and materials; and
1904: Improvement in Dayton	TX	SCI.7.2.C	collect and record data using the International System of Units (SI) and qualitative means such as labeled drawings, writing, and graphic organizers;
1905: Complete a Flight at Last	TX	SCI.7.3.D	relate the impact of research on scientific thought and society, including the history of science and contributions of scientists as related to the content.
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Texas Science			
Grade 8			
Activity/Lesson	State	Standards	

The Society	TX	SCI.8.3.D	relate the impact of research on scientific thought and society, including the history of science and contributions of scientists as related to the content.
1901: The First Improvement	TX	SCI.8.3.C	identify advantages and limitations of models such as size, scale, properties, and materials; and
1901: The First Improvement	TX	SCI.8.6.A	demonstrate and calculate how unbalanced forces change the speed or direction of an object's motion;
1903: Powered Flight	TX	SCI.8.3.C	identify advantages and limitations of models such as size, scale, properties, and materials; and
1904: Improvement in Dayton	TX	SCI.8.2.C	collect and record data using the International System of Units (SI) and qualitative means such as labeled drawings, writing, and graphic organizers;
1905: Complete a Flight at Last	TX	SCI.8.3.D	relate the impact of research on scientific thought and society, including the history of science and contributions of scientists as related to the content.
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Essential Knowledge and Skills			
Texas Science			
Grades 9-12 (Physics)			
Activity/Lesson	State	Standards	
The Society	TX	SCI.9-12.3.D	explain the impacts of the scientific contributions of a variety of historical and contemporary scientists on scientific thought and society;
New Data	TX	SCI.9-12.3.A	in all fields of science, analyze, evaluate, and critique scientific explanations by using empirical evidence, logical reasoning, and experimental and observational testing, including examining all sides of scientific evidence of those scientific explanations, so as to encourage critical thinking by the student;
1903: Powered Flight	TX	SCI.9-12.2.H	make measurements with accuracy and precision and record data using scientific notation and International System (SI) units;
1903: Powered Flight	TX	SCI.9-12.2.L	express and manipulate relationships among physical variables quantitatively, including the use of graphs, charts, and equations.