

Learning to Fly: The Wright Brother's Adventure			
2005 Mathematics			
Model Content Standards			
Colorado Mathematics			
Grades 5-8			
Activity/Lesson	State	Standards	
Wright Brothers: 1900 Glider	CO	MA.5-8.5.1	estimate, use, and describe measures of distance, perimeter, area, volume, capacity, weight, mass, and angle comparison;
Wright Brothers: 1901 Glider	CO	MA.5-8.5.1	estimate, use, and describe measures of distance, perimeter, area, volume, capacity, weight, mass, and angle comparison;
Wright Brothers: 1902 Glider	CO	MA.5-8.5.1	estimate, use, and describe measures of distance, perimeter, area, volume, capacity, weight, mass, and angle comparison;
Wright Brothers: 1902 Glider	CO	MA.5-8.5.6	select and use appropriate units and tools to measure to the degree of accuracy required in a particular problem-solving situation.
Wright Brothers: 1903 Flyer	CO	MA.5-8.5.1	estimate, use, and describe measures of distance, perimeter, area, volume, capacity, weight, mass, and angle comparison;
New Data	CO	MA.5-8.2.5	solve simple linear equations in problem-solving situations using a variety of methods (informal, formal, graphical) and a variety of tools (physical materials, calculators, computers).
New Data	CO	MA.5-8.5.1	estimate, use, and describe measures of distance, perimeter, area, volume, capacity, weight, mass, and angle comparison;
1902: Success at Last	CO	MA.5-8.1.1	demonstrate meanings for integers, rational numbers, percents, exponents, square roots, and pi use physical materials and technology in problem-solving situations;
1902: Success at Last	CO	MA.5-8.1.4	use the relationships among fractions, decimals, and percents, include the concepts of ratio and proportion, in problem-solving situations;
1902: Success at Last	CO	MA.5-8.5.1	estimate, use, and describe measures of distance, perimeter, area, volume, capacity, weight, mass, and angle comparison;
1902: Success at Last	CO	MA.5-8.6.1	use models to explain how ratios, proportions, and percents can be used to solve real-world problems;

1902: Success at Last	CO	MA.5-8.6.4	select and use appropriate algorithms for computing with commonly used fractions and decimals, percents, and integers in problem-solving and determine whether the results are reasonable.
1903: Powered Flight	CO	MA.5-8.2.1	represent, describe, and analyze patterns and relationships using tables, graphs, verbal rules, and standard algebraic notation;
1903: Powered Flight	CO	MA.5-8.5.1	estimate, use, and describe measures of distance, perimeter, area, volume, capacity, weight, mass, and angle comparison;
1903: Powered Flight	CO	MA.5-8.5.2	estimate, make, and use direct and indirect measurements to describe and make comparisons;
1903: Powered Flight	CO	MA.5-8.5.3	read and interpret various scales including those based on number lines, graphs, and maps;
1903: Powered Flight	CO	MA.5-8.5.4	develop and use formulas and procedures to solve problems involving measurement;
Learning to Fly: The Wright Brother's Adventure			
2005 Mathematics			
Model Content Standards			
Colorado Mathematics			
Grades 9-12			
Activity/Lesson	State	Standards	
Wright Brothers: 1902 Glider	CO	MA.9-12.5.2	select and use appropriate techniques and tools to measure quantities in order to achieve specified degrees of precision, accuracy, and error (or tolerance) of measurements; and
New Data	CO	MA.9-12.2.3	solve problems involving functional relationships using graphing calculators and/or computers as well as appropriate paper-and-pencil techniques;
1902: Success at Last	CO	MA.9-12.6.1	use ratios, proportions, and percents in problem-solving situations;
1903: Powered Flight	CO	MA.9-12.1.3	use number sense to estimate and justify the reasonableness of solutions to problems involving real numbers.
1903: Powered Flight	CO	MA.9-12.5.2	select and use appropriate techniques and tools to measure quantities in order to achieve specified degrees of precision, accuracy, and error (or tolerance) of measurements; and
1903: Powered Flight	CO	MA.9-12.6.3	describe the limitations of estimation, and assess the amount of error resulting from estimation within acceptable limits.