

Learning to Fly: The Wright Brother's Adventure			
2006 Mathematics			
Content Standards			
Idaho Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Wright Brothers: 1902 Glider	ID	MA.6.6.M.2.1.1	Select and use appropriate units and tools to make formal measurements in both systems.
Wright Brothers: 1902 Glider	ID	MA.6.6.M.2.1.2	Apply estimation of measurement to real-world and content problems using standard measuring devices.
1902: Success at Last	ID	MA.6.6.M.1.1.2	Explain the interrelationship of fractions, decimals, and percents.
1903: Powered Flight	ID	MA.6.6.M.1.2.2	Add, subtract, multiply, and divide whole numbers, decimals, and simple fractions (including unlike denominators).
1903: Powered Flight	ID	MA.6.6.M.1.3.1	Estimate to predict computation results.
1903: Powered Flight	ID	MA.6.6.M.1.3.2	Explain when estimation is appropriate.
1903: Powered Flight	ID	MA.6.6.M.2.1.2	Apply estimation of measurement to real-world and content problems using standard measuring devices.
1903: Powered Flight	ID	MA.6.6.M.2.1.3	Apply understanding of relationships to solve real-world problems related to elapsed time.
1903: Powered Flight	ID	MA.6.6.M.5.1.1	Read and interpret tables, charts, and graphs, including broken line graphs, bar graphs, frequency tables, line plots, and circle graphs.
1903: Powered Flight	ID	MA.6.6.M.5.1.2	Explain and justify stated conclusions drawn from tables, charts, and graphs.
1903: Powered Flight	ID	MA.6.6.M.5.2.1	Collect, organize, and display the data with appropriate notation in tables, charts, and graphs, including broken line graphs, bar graphs, frequency tables and line plots.
Learning to Fly: The Wright Brother's Adventure			
2006 Mathematics			
Content Standards			
Idaho Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Wright Brothers: 1902 Glider	ID	MA.7.7.M.2.1.1	Select and use appropriate units and tools to make formal measurements in both systems.
1902: Success at Last	ID	MA.7.7.M.1.1.2	Solve problems requiring the conversion between simple decimals, fractions, ratios, and percents.

1902: Success at Last	ID	MA.7.7.M.1.2.1	Recall the common equivalent fractions, decimals, and percents of halves, fourths, and tenths.
1903: Powered Flight	ID	MA.7.7.M.1.2.2	Add, subtract, multiply, and divide whole numbers, fractions and decimals; and add, multiply, and divide integers.
1903: Powered Flight	ID	MA.7.7.M.1.3.1	Estimate to predict computation results.
1903: Powered Flight	ID	MA.7.7.M.1.3.2	Explain when estimation is appropriate and describe the usefulness of an estimate as opposed to an exact answer.
1903: Powered Flight	ID	MA.7.7.M.2.1.2	Apply estimation of measurement to real-world and content problems using standard measuring devices.
1903: Powered Flight	ID	MA.7.7.M.2.2.1	Explain rates and their relationship to ratios, and use proportions to solve problems represented with a diagram.
1903: Powered Flight	ID	MA.7.7.M.3.5.1	Represent a simple set of data in a table, as a graph, and as a mathematical relationship.
1903: Powered Flight	ID	MA.7.7.M.5.1.1	Read and interpret tables, charts, and graphs, including frequency tables, scatter plots, broken line graphs, line plots, bar graphs, histograms, circle graphs, and stem-and-leaf plots.
1903: Powered Flight	ID	MA.7.7.M.5.1.2	Explain conclusions drawn from tables, charts, and graphs.
Learning to Fly: The Wright Brother's Adventure			
2006 Mathematics			
Content Standards			
Idaho Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Wright Brothers: 1902 Glider	ID	MA.8.8.M.2.1.1	Select and use appropriate units and tools to make formal measurements in both systems.
1902: Success at Last	ID	MA.8.8.M.1.1.1	Compare magnitudes and relative magnitudes of rational numbers, including integers, fractions, decimals, percents, and absolute values.
1902: Success at Last	ID	MA.8.8.M.1.1.2	Use rational numbers, including percents and ratios, and pi to solve problems.
1902: Success at Last	ID	MA.8.8.M.1.2.1	Recall the common equivalent fractions, decimals, and percents of halves, thirds, fourths, fifths, and tenths.
1902: Success at Last	ID	MA.8.8.M.5.4.3	Explain that probability ranges from 0% to 100% and identify a situation as having high or low probability.
1903: Powered Flight	ID	MA.8.8.M.1.3.1	Estimate to predict computation results.

1903: Powered Flight	ID	MA.8.8.M.1.3.2	Identify when estimation is appropriate and apply to problem solving situations.
1903: Powered Flight	ID	MA.8.8.M.2.1.2	Apply estimation of measurement to real-world and content problems using standard measuring devices.
1903: Powered Flight	ID	MA.8.8.M.2.2.1	Use rates, proportions, ratios, and map scales in problem-solving situations.
1903: Powered Flight	ID	MA.8.8.M.3.5.1	Represent a set of data in a table, as a graph, and as a mathematical relationship.
1903: Powered Flight	ID	MA.8.8.M.5.1.1	Analyze and interpret tables, charts, and graphs, including frequency tables, scatter plots, broken line graphs, line plots, bar graphs, histograms, circle graphs, and stem-and-leaf plots.
1903: Powered Flight	ID	MA.8.8.M.5.1.2	Explain and justify conclusions drawn from tables, charts, and graphs.
1903: Powered Flight	ID	MA.8.8.M.5.5.2	Conduct statistical experiments and interpret results using tables, charts, or graphs.
Learning to Fly: The Wright Brother's Adventure			
2006 Mathematics			
Content Standards			
Idaho Mathematics			
Grade 9			
Activity/Lesson	State	Standards	
Wright Brothers: 1900 Glider	ID	MA.9.9.M.2.3.1	Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature.
Wright Brothers: 1901 Glider	ID	MA.9.9.M.2.3.1	Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature.
Wright Brothers: 1902 Glider	ID	MA.9.9.M.2.3.1	Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature.
Wright Brothers: 1903 Flyer	ID	MA.9.9.M.2.3.1	Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature.
New Data	ID	MA.9.9.M.2.3.1	Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature.
1902: Success at Last	ID	MA.9.9.M.2.3.1	Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature.
1903: Powered Flight	ID	MA.9.9.M.1.3.2	Identify that error accumulates in a computation when there is rounding.

1903: Powered Flight	ID	MA.9.9.M.2.2.1	Use rates, ratios, proportions, and map scales in problem-solving situations.
1903: Powered Flight	ID	MA.9.9.M.2.2.2	Apply concepts of rates and direct and indirect measurements.
1903: Powered Flight	ID	MA.9.9.M.2.4.2	Approximate error in measurement situations.
1903: Powered Flight	ID	MA.9.9.M.3.6.2	Use graphs and sequences to represent and solve problems.
1903: Powered Flight	ID	MA.9.9.M.5.1.1	Analyze and interpret tables, charts, and graphs, including scatter plots, broken line graphs, and box-and-whisker plots.
1903: Powered Flight	ID	MA.9.9.M.5.2.1	Collect, organize, and display data in tables, charts, and graphs.
1903: Powered Flight	ID	MA.9.9.M.5.5.3	Design, conduct, and interpret results of statistical experiments.
Learning to Fly: The Wright Brother's Adventure			
2006 Mathematics			
Content Standards			
Idaho Mathematics			
Grades 9-12 (Algebra I)			
Activity/Lesson	State	Standards	
Wright Brothers: 1902 Glider	ID	MA.9-12.AI.2.e	Select and apply techniques and tools to accurately find length, area, volume, and angle measures to appropriate levels of precision.
New Data	ID	MA.9-12.AI.1.1.1.c	Locate the position of a number on the number line and know its distance from the origin is its absolute value.
New Data	ID	MA.9-12.AI.1.3.2.b	Select a suitable method of computing from mental mathematics, paper and pencil, calculators, or computers.
1902: Success at Last	ID	MA.9-12.AI.1.1.1.c	Locate the position of a number on the number line and know its distance from the origin is its absolute value.
1902: Success at Last	ID	MA.9-12.AI.3.3.1.b	Solve percent application problems.
1903: Powered Flight	ID	MA.9-12.AI.1.h	Estimate to predict computation results.
1903: Powered Flight	ID	MA.9-12.AI.1.1.1.c	Locate the position of a number on the number line and know its distance from the origin is its absolute value.
1903: Powered Flight	ID	MA.9-12.AI.2.d	Use appropriate methods and units to estimate measurements.
1903: Powered Flight	ID	MA.9-12.AI.2.e	Select and apply techniques and tools to accurately find length, area, volume, and angle measures to appropriate levels of precision.
1903: Powered Flight	ID	MA.9-12.AI.2.i	Solve problems involving scale factors, rates, ratios, and proportions.
1903: Powered Flight	ID	MA.9-12.AI.2.1.1.a	Appropriately scale a graph for a given situation.

1903: Powered Flight	ID	MA.9-12.AI.3.a	Represent, analyze, and generalize a variety of patterns with tables, graphs, words, and, when possible, symbolic rules.
1903: Powered Flight	ID	MA.9-12.AI.3.f	Model and solve contextualized problems using various representations such as graphs, tables, and equations.
1903: Powered Flight	ID	MA.9-12.AI.5.b	Explain and justify conclusions drawn from tables, charts, and graphs.
1903: Powered Flight	ID	MA.9-12.AI.5.c	Collect, organize, and display data with appropriate notation in tables, charts, and graphs, including scatter plots, broken line graphs, line plots, bar graphs, histograms, and stem-and-leaf plots.
1903: Powered Flight	ID	MA.9-12.AI.5.j	Conduct statistical experiments and interpret results using tables, charts, or graphs.