

Learning to Fly: The Wright Brother's Adventure			
2004 Mathematics			
Curriculum Framework			
Arkansas Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Wright Brothers: 1900 Glider	AR	MA.6.M.13.6.3	Draw and measure distance to the nearest mm and 1/8 inch accurately
Wright Brothers: 1901 Glider	AR	MA.6.M.13.6.3	Draw and measure distance to the nearest mm and 1/8 inch accurately
Wright Brothers: 1902 Glider	AR	MA.6.M.12.6.1	Identify and select appropriate units and tools from both systems to measure
Wright Brothers: 1902 Glider	AR	MA.6.M.13.6.2	Determine which unit of measure or measurement tool matches the context for a problem situation
Wright Brothers: 1902 Glider	AR	MA.6.M.13.6.3	Draw and measure distance to the nearest mm and 1/8 inch accurately
Wright Brothers: 1903 Flyer	AR	MA.6.M.13.6.3	Draw and measure distance to the nearest mm and 1/8 inch accurately
New Data	AR	MA.6.M.13.6.3	Draw and measure distance to the nearest mm and 1/8 inch accurately
1902: Success at Last	AR	MA.6.NO.1.6.1	Demonstrate conceptual understanding to find a specific percent of a number, using models, real-life examples, or explanations
1902: Success at Last	AR	MA.6.NO.3.6.7	Determine the percent of a number and solve related problems in real world situations
1902: Success at Last	AR	MA.6.M.13.6.5	Find the distance between two points on a number line
1903: Powered Flight	AR	MA.6.M.13.6.3	Draw and measure distance to the nearest mm and 1/8 inch accurately
Learning to Fly: The Wright Brother's Adventure			
2004 Mathematics			
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Arkansas Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Wright Brothers: 1900 Glider	AR	MA.7.M.13.7.2	Draw and measure distance to the nearest mm and 1/16 inch accurately
Wright Brothers: 1901 Glider	AR	MA.7.M.13.7.2	Draw and measure distance to the nearest mm and 1/16 inch accurately
Wright Brothers: 1902 Glider	AR	MA.7.M.13.7.2	Draw and measure distance to the nearest mm and 1/16 inch accurately
Wright Brothers: 1903 Flyer	AR	MA.7.M.13.7.2	Draw and measure distance to the nearest mm and 1/16 inch accurately
New Data	AR	MA.7.M.13.7.2	Draw and measure distance to the nearest mm and 1/16 inch accurately
1902: Success at Last	AR	MA.7.NO.1.7.1	Relate, with and without models and pictures, concepts of ratio, proportion, and percent, including percents less than 1 and greater than 100

1902: Success at Last	AR	MA.7.NO.3.7.6	Solve, with and without technology, real world percent problems
1902: Success at Last	AR	MA.7.M.13.7.2	Draw and measure distance to the nearest mm and 1/16 inch accurately
1902: Success at Last	AR	MA.7.M.13.7.6	Find the distance between two points on a number line and locate the midpoint
1903: Powered Flight	AR	MA.7.NO.2.7.4	Model and develop addition, subtraction, multiplication and division of integers
1903: Powered Flight	AR	MA.7.NO.3.7.3	Determine when an estimate is sufficient and use estimation to decide whether answers are reasonable in problems including fractions and decimals
1903: Powered Flight	AR	MA.7.A.7.7.1	Use, with and without appropriate technology, tables and graphs to compare and identify situations with constant or varying rates of change
1903: Powered Flight	AR	MA.7.M.13.7.2	Draw and measure distance to the nearest mm and 1/16 inch accurately
1903: Powered Flight	AR	MA.7.M.13.7.6	Find the distance between two points on a number line and locate the midpoint
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2004 Mathematics			
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Arkansas Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
1902: Success at Last	AR	MA.8.NO.1.8.3	Compare and order real numbers including irrational numbers and find their approximate location on a number line (Use technology when appropriate)
1902: Success at Last	AR	MA.8.NO.3.8.3	Use estimation to solve problems involving rational numbers; including ratio, proportion, percent (increase or decrease) then judge the reasonableness of solutions
1902: Success at Last	AR	MA.8.NO.3.8.6	Solve, with and without technology, real world percent problems including percent of increase or decrease
1903: Powered Flight	AR	MA.8.NO.1.8.3	Compare and order real numbers including irrational numbers and find their approximate location on a number line (Use technology when appropriate)
1903: Powered Flight	AR	MA.8.NO.3.8.3	Use estimation to solve problems involving rational numbers; including ratio, proportion, percent (increase or decrease) then judge the reasonableness of solutions
1903: Powered Flight	AR	MA.8.A.4.8.4	Use tables, graphs, and equations to identify independent/dependent variables (input/output)
1903: Powered Flight	AR	MA.8.A.6.8.2	Represent, with and without appropriate technology, linear relationships concretely, using tables, graphs and equations

1903: Powered Flight	AR	MA.8.A.6.8.4	Represent, with and without appropriate technology, simple exponential and/or quadratic functions using verbal descriptions, tables, graphs and formulas and translate among these representations
1903: Powered Flight	AR	MA.8.M.13.8.1	Draw and apply measurement skills with fluency to appropriate levels of precision
1903: Powered Flight	AR	MA.8.M.13.8.3	Apply proportional reasoning to solve problems involving indirect measurements, scale drawings or rates
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Arkansas Mathematics			
Grades 9-12 (Algebraic Connections)			
Activity/Lesson	State	Standards	
New Data	AR	MA.9-12.PS.1.AC.2.b	Conduct and interpret simple probability experiments using (simulations (using random number tables, graphing calculators, or computer software))
1902: Success at Last	AR	MA.9-12.SEI.3.AC.6	Apply linear, piece-wise and step functions to real world situations that involve a combination of rates, proportions and percents such as sales tax, simple interest, social security, constant depreciation and appreciation, arithmetic sequences, constant rate of change, income taxes, postage, utility bills, commission, and traffic tickets
1903: Powered Flight	AR	MA.9-12.PS.1.AC.5.b	Interpret and evaluate, with and without appropriate technology, graphical and tabular data displays for (appropriateness of type of graph or data display)
1903: Powered Flight	AR	MA.9-12.LF.2.AC.2	Create, given a situation, a graph that models the relationship between the independent and dependent variables
1903: Powered Flight	AR	MA.9-12.LF.2.AC.3	Determine the independent and dependent variables, domain and range of a relation from an algebraic expression, graph, set of ordered pairs, or table of data
1903: Powered Flight	AR	MA.9-12.NF.4.AC.4	Determine the independent and dependent variables, domain and range of a relation from algebraic equations, graphs, sets of ordered pairs, or tables of data