

<b>Adventures in Aeronautics</b>			
<b>2002 Mathematics</b>			
<b>Academic Standards</b>			
<b>Pennsylvania Mathematics</b>			
<b>Grade 3</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Adventures in Aeronautics	PA	MA.3.2.2.3.A	Apply addition and subtraction in everyday situations using concrete objects.
Adventures in Aeronautics	PA	MA.3.2.3.3.A	Compare measurable characteristics of different objects on the same dimensions (e.g., time, temperature, area, length, weight, capacity, perimeter).
Adventures in Aeronautics	PA	MA.3.2.3.3.C	Determine and compare elapsed times.
Adventures in Aeronautics	PA	MA.3.2.3.3.H	Demonstrate that a single object has different attributes that can be measured in different ways (e.g., length, mass, weight, time, area, temperature, capacity, perimeter).
<b>Adventures in Aeronautics</b>			
<b>2002 Mathematics</b>			
<b>Academic Standards</b>			
<b>Pennsylvania Mathematics</b>			
<b>Grade 5</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Adventures in Aeronautics	PA	MA.5.2.2.5.A	Create and solve word problems involving addition, subtraction, multiplication and division of whole numbers.
Adventures in Aeronautics	PA	MA.5.2.2.5.B	Develop and apply algorithms to solve word problems that involve addition, subtraction, and/or multiplication with decimals with and without regrouping.
Adventures in Aeronautics	PA	MA.5.2.2.5.C	Develop and apply algorithms to solve word problems that involve addition, subtraction, and/or multiplication with fractions and mixed numbers that include like and unlike denominators.
Adventures in Aeronautics	PA	MA.5.2.2.5.E	Determine through estimations the reasonableness of answers to problems involving addition, subtraction, multiplication and division of whole numbers.
Adventures in Aeronautics	PA	MA.5.2.3.5.A	Select and use appropriate instruments and units for measuring quantities (e.g., perimeter, volume, area, weight, time, temperature).
Adventures in Aeronautics	PA	MA.5.2.4.5.A	Compare quantities and magnitudes of numbers.
Adventures in Aeronautics	PA	MA.5.2.11.5.A	Make comparisons of numbers (e.g., more, less, same, least, most, greater than, less than).
Adventures in Aeronautics	PA	MA.5.2.2.5.G	Apply estimation strategies to a variety of problems including time and money.
Adventures in Aeronautics	PA	MA.5.2.2.5.H	Explain multiplication and division algorithms.