

Adventures in Aeronautics			
2000 Mathematics			
Curriculum Frameworks			
Massachusetts Mathematics			
Grades 3-4			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	MA	MA.3-4.4.N.1	Exhibit an understanding of the base ten number system by reading, modeling, writing, and interpreting whole numbers to at least 100,000; demonstrating an understanding of the values of the digits; and comparing and ordering the numbers.
Adventures in Aeronautics	MA	MA.3-4.4.N.2	Represent, order, and compare large numbers (to at least 100,000) using various forms, including expanded notation, e.g., $853 = 8 \times 100 + 5 \times 10 + 3$.
Adventures in Aeronautics	MA	MA.3-4.4.N.8	Select, use, and explain various meanings and models of multiplication and division of whole numbers. Understand and use the inverse relationship between the two operations.
Adventures in Aeronautics	MA	MA.3-4.4.N.10	Select and use appropriate operations (addition, subtraction, multiplication, and division) to solve problems, including those involving money.
Adventures in Aeronautics	MA	MA.3-4.4.N.11	Know multiplication facts through 12×12 and related division facts. Use these facts to solve related multiplication problems and compute related problems, e.g., 3×5 is related to 30×50 , 300×5 , and 30×500 .
Adventures in Aeronautics	MA	MA.3-4.4.N.12	Add and subtract (up to five-digit numbers) and multiply (up to three digits by two digits) accurately and efficiently.
Adventures in Aeronautics	MA	MA.3-4.4.M.1	Demonstrate an understanding of such attributes as length, area, weight, and volume, and select the appropriate type of unit for measuring each attribute.
Adventures in Aeronautics	MA	MA.3-4.4.M.3	Identify time to the minute on analog and digital clocks using a.m. and p.m. Compute elapsed time using a clock (e.g., hours and minutes since...) and using a calendar (e.g., days since...).
Adventures in Aeronautics	MA	MA.3-4.4.M.5	Identify and use appropriate metric and English units and tools (e.g., ruler, angle ruler, graduated cylinder, thermometer) to estimate, measure, and solve problems involving length, area, volume, weight, time, angle size, and temperature.
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Grades 5-6			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	MA	MA.5-6.6.N.7	Compare and order integers (including negative integers), and positive fractions, mixed numbers, decimals, and percents.
Adventures in Aeronautics	MA	MA.5-6.6.N.10	Use the number line to model addition and subtraction of integers, with the exception of subtracting negative integers.
Adventures in Aeronautics	MA	MA.5-6.6.N.11	Apply the Order of Operations for expressions involving addition, subtraction, multiplication, and division with grouping symbols (+, -, x, ÷).
Adventures in Aeronautics	MA	MA.5-6.6.N.13	Accurately and efficiently add, subtract, multiply, and divide (with double-digit divisors) whole numbers and positive decimals.
Adventures in Aeronautics	MA	MA.5-6.6.N.15	Add and subtract integers, with the exception of subtracting negative integers.
Adventures in Aeronautics	MA	MA.5-6.6.G.5	Find the distance between two points on horizontal or vertical number lines.