Courage to Soar			
2005 Mathematics			
Learning Standards			
District of Columbia Mathematics			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Soaring Higher	DC	MA.3.NSO-N.2	Represent, compare, and order numbers to 10,000 using various forms, including expanded notation (e.g., 3,206 = 3 x 1,000 + 2 x 100 + 6) and written out in words (e.g., three thousand two-hundred six).
The Flight Timeline	DC	MA.3.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments.
Having the Right Stuff	DC	MA.3.NSO-N.2	Represent, compare, and order numbers to 10,000 using various forms, including expanded notation (e.g., 3,206 = 3 x 1,000 + 2 x 100 + 6) and written out in words (e.g., three thousand two-hundred six).
Flying a Styrofoam Plane	DC	MA.3.M.1	Demonstrate an understanding of such attributes as length, area, and weight; select the appropriate type of unit for measuring each attribute using both the U.S. customary and metric systems.
Flying a Styrofoam Plane	DC	MA.3.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments.
Looking for Answers:A research project	DC	MA.3.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments.
Courage to Soar			
2005 Mathematics			
Learning Standards			
District of Columbia Mathematics			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Soaring Higher	DC	MA.4.NSO-C.17	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.
Soaring Higher	DC	MA.4.NSO-C.27	Use the relationship between multiplication and division to simplify computations and check results.
The Flight Timeline	DC	MA.4.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments, and identify appropriate ways to display the data.

Having the Right Stuff	DC	MA.4.NSO-N.1	Exhibit an understanding of the base 10 number system by reading, modeling, and writing whole numbers to at least 100,000; demonstrating an understanding of the values of the digits; and comparing and ordering the numbers.
Having the Right Stuff	DC	MA.4.NSO-N.2	Represent, compare, and order numbers to 100,000 using various forms, including expanded notation.
Flying a Styrofoam Plane	DC	MA.4.M.1	Identify and use appropriate metric and U.S. customary units and tools (e.g., ruler, protractor, graduated cylinder, thermometer) to estimate, measure, and solve problems involving length, area, volume, weight, time, angle size, and temperature.
Flying a Styrofoam Plane	DC	MA.4.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments, and identify appropriate ways to display the data.
Looking for Answers:A research project	DC	MA.4.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments, and identify appropriate ways to display the data.
Controlling the Plane	DC	MA.4.DASP.3	Compare two data sets represented in two bar graphs, pie graphs, and histograms.
Courage to Soar			
2005 Mathematics			
Learning Standards			
District of Columbia Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Soaring Higher	DC	MA.5.NSO-N.4	Compare and order integers (including negative integers) and positive fractions, mixed numbers, decimals, and percents.
Soaring Higher	DC	MA.5.NSO-C.15	Solve problems involving multiplication and division of any whole number.
The Flight Timeline	DC	MA.5.NSO-N.3	Find and position integers, fractions, mixed numbers, and decimals (both positive and negative) on the number line.
The Flight Timeline	DC	MA.5.NSO-N.4	Compare and order integers (including negative integers) and positive fractions, mixed numbers, decimals, and percents.
The Flight Timeline	DC	MA.5.NSO-C.21	Know integer subtraction is the inverse of integer addition; use the number line to model addition and subtraction of integers and add and subtract integers, with the exception of subtracting negative integers.
Having the Right Stuff	DC	MA.5.NSO-N.4	Compare and order integers (including negative integers) and positive fractions, mixed numbers, decimals, and percents.

Controlling the Plane	DC	MA.5.DASP.1	Define and apply the concepts of mean to solve problems.