Flight-Testing Newton's Laws			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grades 9-12 (Algebra 1)			
Activity/Lesson	**State**	**Standards**	
Session-10 (1-5)	NC	MA.9-12.1.02	Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.
Session-1 (1-17)	NC	MA.9-12.1.02	Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.
Session-2 (1-10)	NC	MA.9-12.1.02	Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.
Session-4 (1-11)	NC	MA.9-12.1.02	Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.
Session-5 (1-6)	NC	MA.9-12.1.02	Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.
Session-6 (1-8)	NC	MA.9-12.1.02	Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.
Session-7 (1-5)	NC	MA.9-12.1.02	Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.
Session-8 (1-9)	NC	MA.9-12.1.02	Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.
Session-9 (1-7)	NC	MA.9-12.1.02	Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.
Flight-Testing Newton's Laws			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grades 9-12 (Integrated Mathematics 1)			
Activity/Lesson	**State**	**Standards**	
Session-3 (1-6)	NC	MA.9-12.2.01	Use the length, area, and volume of geometric figures to solve problems. Include arc length, area of sectors of circles; lateral area, surface area, and volume of three-dimensional figures; and perimeter, area, and volume of composite figures.

Session-6 (1-8)	NC	MA.9-12.2.01	Use the length, area, and volume of geometric figures to solve problems. Include arc length, area of sectors of circles; lateral area, surface area, and volume of three-dimensional figures; and perimeter, area, and volume of composite figures.
Flight-Testing Newton's Laws			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grades 9-12 (Advanced Placement Calculus)			
Activity/Lesson	**State**	**Standards**	
Session-1 (1-17)	NC	MA.9-12.2.06.e	Interpret the derivative as a rate of change in varied applied contexts, including velocity, speed, and acceleration.
Session-3 (1-6)	NC	MA.9-12.2.06.e	Interpret the derivative as a rate of change in varied applied contexts, including velocity, speed, and acceleration.
Session-5 (1-6)	NC	MA.9-12.2.06.e	Interpret the derivative as a rate of change in varied applied contexts, including velocity, speed, and acceleration.
Session-8 (1-9)	NC	MA.9-12.2.03.d	Translate between verbal and algebraic descriptions of equations involving derivatives.