

Flight-Testing Newton's Laws**2005 Mathematics****Model Content Standards****Colorado Mathematics****Grades 9-12****Activity/Lesson****State****Standards**

Session-2 (1-10)	CO	MA.9-12.2.1	model real-world phenomena (for example, distance-versus-time relationships, compound interest, amortization tables, mortality rates) using functions, equations, inequalities, and matrices;
Session-4 (1-11)	CO	MA.9-12.2.4	analyze and explain the behaviors, transformations, and general properties of types of equations and functions (for example, linear, quadratic, exponential); and
Session-5 (1-6)	CO	MA.9-12.3.6	solve real-world problems with informal use of combinations and permutations (for example, determining the number of possible meals at a restaurant featuring a given number of side dishes).
Session-6 (1-8)	CO	MA.9-12.2.1	model real-world phenomena (for example, distance-versus-time relationships, compound interest, amortization tables, mortality rates) using functions, equations, inequalities, and matrices;
Session-6 (1-8)	CO	MA.9-12.2.2	represent functional relationships using written explanations, tables, equations, and graphs, and describing the connections among these representations;