

**Flight-Testing Newton's Laws**

**2004 Mathematics**

**Curriculum Standards**

<b>Kansas Mathematics</b>			
<b>Grades 9-10</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Session-10 (1-5)	KS	MA.9-10.2.4.K1.d	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (equations and inequalities to model numerical and geometric relationships)
Session-10 (1-5)	KS	MA.9-10.2.4.K1.f	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (coordinate planes to model relationships between ordered pairs and equations and inequalities and linear and quadratic functions)
Session-2 (1-10)	KS	MA.9-10.2.4.K1.d	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (equations and inequalities to model numerical and geometric relationships)
Session-2 (1-10)	KS	MA.9-10.2.4.K1.f	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (coordinate planes to model relationships between ordered pairs and equations and inequalities and linear and quadratic functions)
Session-3 (1-6)	KS	MA.9-10.2.4.K1.h	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (two- and three-dimensional geometric models (geoboards, dot paper, coordinate plane, nets, or solids) and real-world objects to model perimeter, area, volume, and surface area, properties of two- and three-dimensional figures, and isometric views of three-dimensional figures)
Session-4 (1-11)	KS	MA.9-10.2.4.K1.d	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (equations and inequalities to model numerical and geometric relationships)

Session-4 (1-11)	KS	MA.9-10.2.4.K1.f	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (coordinate planes to model relationships between ordered pairs and equations and inequalities and linear and quadratic functions)
Session-5 (1-6)	KS	MA.9-10.2.4.K1.f	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (coordinate planes to model relationships between ordered pairs and equations and inequalities and linear and quadratic functions)
Session-6 ( 1-8)	KS	MA.9-10.2.4.K1.f	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (coordinate planes to model relationships between ordered pairs and equations and inequalities and linear and quadratic functions)
Session-6 ( 1-8)	KS	MA.9-10.2.4.K1.h	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (two- and three-dimensional geometric models (geoboards, dot paper, coordinate plane, nets, or solids) and real-world objects to model perimeter, area, volume, and surface area, properties of two- and three-dimensional figures, and isometric views of three-dimensional figures)
Session-7 (1-5)	KS	MA.9-10.2.4.K1.d	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (equations and inequalities to model numerical and geometric relationships)
Session-7 (1-5)	KS	MA.9-10.2.4.K1.f	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (coordinate planes to model relationships between ordered pairs and equations and inequalities and linear and quadratic functions)