

Flight Testing Newton's Laws**National Standards**

Grades 9 – 12 Mathematics

Source: National Standards Mathematics 2000

Lesson/Activity	Grades 9 - 12 Mathematics Standards
Session-2 (1-10)	understand the meaning of equivalent forms of expressions, equations, inequalities, and relations;
Session-2 (1-10)	write equivalent forms of equations, inequalities, and systems of equations and solve them with fluency-mentally or with paper and pencil in simple cases and using technology in all cases;
Session-3 (1-6)	understand and use formulas for the area, surface area, and volume of geometric figures, including cones, spheres, and cylinders;
Session-4 (1-11)	understand the meaning of equivalent forms of expressions, equations, inequalities, and relations;
Session-4 (1-11)	write equivalent forms of equations, inequalities, and systems of equations and solve them with fluency-mentally or with paper and pencil in simple cases and using technology in all cases;
Session-5 (1-6)	understand the meaning of equivalent forms of expressions, equations, inequalities, and relations;
Session-5 (1-6)	write equivalent forms of equations, inequalities, and systems of equations and solve them with fluency-mentally or with paper and pencil in simple cases and using technology in all cases;
Session-6 (1-8)	understand the meaning of equivalent forms of expressions, equations, inequalities, and relations;
Session-6 (1-8)	write equivalent forms of equations, inequalities, and systems of equations and solve them with fluency-mentally or with paper and pencil in simple cases and using technology in all cases;
Session-6 (1-8)	understand and use formulas for the area, surface area, and volume of geometric figures, including cones, spheres, and cylinders;
Session-7 (1-5)	understand the meaning of equivalent forms of expressions, equations, inequalities, and relations;
Session-7 (1-5)	write equivalent forms of equations, inequalities, and systems of equations and solve them with fluency-mentally or with paper and pencil in simple cases and using technology in all cases;
Session-7 (1-5)	use trigonometric relationships to determine lengths and angle measures.
Session-10 (1-5)	understand the meaning of equivalent forms of expressions, equations, inequalities, and relations;
Session-10 (1-5)	write equivalent forms of equations, inequalities, and systems of equations and solve them with fluency-mentally or with paper and pencil in simple cases and using technology in all cases;