

PHYSICS - UNIT 5 SYLLABUS

Newton's Laws Readings: Cutnell & Johnson pp. 85-116, §4.1-4.10			
Date	Lesson	Handouts	Assignments Due
2/17	Return Tests Discussion - Forces, Gravitation, Apparent Weight		Lab – Target Shoot
2/18	Drawing <i>Free Body Diagrams</i> Weight vs. Mass Newton's 1st Law & Inertia Video clip - crash tests Demos - pennies, table cloth, pen and ring		Find F_g between you and neighbor Q: 10, 13, 15 P: 21, 23, 27
2/19	<i>Activity – Quick Jerk/Slow Pull</i> Law of Acceleration (Newton's 2nd Law) Demo - Cart pull Interactive Physics Activities 6.3, 6.4		Section Outlines Q: 1, 2
2/22	Lab Investigation - Newton's 2nd Law	Lab - Newton's 2nd Law	IP Act. 6.3, 6.4 Q: 4, 5 P: 2, 4
2/23	Activity - Balloon Race Newton's 3rd Law Discussion – Normal Forces, Tension, and Friction	Activity – Balloon Race	
2/24	Interactive Physics Activities 6.5, 6.6 Activity - What does Friction Depend On?	Activity - Friction	Q: 6, 7, 8
2/25	Discussion - The Vector Nature of Forces, Combining and Resolving Forces, Equilibrium	Worksheet - Combining and Resolving Forces	Activity – Friction Q: 21, 25 P: 36-38, 42, 46
2/26	Quiz - Newton's Laws & Gravitation Review Overheads, FBD's		Worksheet - Combining and Resolving Forces Q: 11, 18, 22 P: 11, 12
3/1	Go over quiz Check Homework Sets More Review Overheads and More FBD's		Homework Set – Newton's 2 nd Law
3/2	Test – Newton's Laws		Lab (due next school day)