

PHYSICS – UNIT 9 SYLLABUS

IMPULSE & MOMENTUM			
Readings		CUTNELL & JOHNSON	§ 7.1 – 7.6 pp. 187 – 207
Date	Lesson	Handouts	Assignments Due
4/20	Go over Tests Discussion – Impulse, Momentum Video – <i>Crash Test or The Mech. Universe</i>	Homework Set – Impulse & Momentum Syllabus – Impulse & Momentum Video Guide – Crash Test	Lab – Conservation of Energy
4/21	Discussion – Bouncing collisions, IMPULSE-MOMENTUM THEOREM Problem – The Incredible Egg Drop	Problem – The Incredible Egg Drop	
4/22	Demos – dynamics track, Newton’s demo Discussion – CONSERVATION OF MOMENTUM , Types of collisions Quiz – Impulse		Section Summaries
4/23	Solving Cons. Of Momentum Problems algebraically and graphically	Activity - Solving Cons. Of Momentum Graphically	
4/26	Conservation of Momentum in 2D, The Ballistic Pendulum, Center of Mass Quiz - Momentum		Activity - Solving Cons. of Momentum Graphically
4/27	Lab – Conservation of Momentum	Lab – Conservation of Momentum	
4/28	Activity - Incredible Egg Drop		Incredible Egg Drop
4/29	Check Homework Sets Final Review and wrap up	Lab – Conservation of Momentum (rubric)	Homework Sets
4/30	TEST – Impulse & Momentum		<i>Labs due on the day after the test...</i>