

PHYSICS – UNIT 11 SYLLABUS

ELECTROSTATICS			
Readings		CUTNELL & JOHNSON	§ 18.1 – 18.8 pp. 521 – 541
		CUTNELL & JOHNSON	§ 19.1 – 19.6 pp. 557 – 577
Date	Lesson	Handouts	Assignments Due
2/11	Go over Tests Charges and Interactions, Conductors & Insulators, Detecting Charges Demo: Charges attract/repel, the electroscope	Homework Set – Electrostatics Syllabus – Electrostatics	
2/16	Activity – Get a Charge Outta This! Discussion – Methods of Charging, Coulomb’s Law	Activity – Get a Charge Outta This!	
2/17	Discussion: The Electric Field & Field Lines, Electric Shielding		Activity – Get a Charge...
2/18	Discussion: Electric Potential and Potential Difference, Field Lines and Equipotential lines		Section Summaries
2/19	Demo: The VandeGraff Generator <i>Activity – Mapping an Electric Field</i>	<i>Activity – Mapping an Electric Field</i>	
2/22	Discussion: Work & Electric Potential Quiz – Electric Forces and Fields		
2/23	Capacitors Demo: The Tesla Coil, more VandeGraff Generator, Leyden Jars		Activity – Mapping an Electric Field
2/24	Check Homework Sets Quiz – Electric Potential and Capacitance		Homework Sets
2/25	TEST – Electrostatics		