

PHYSICS – UNIT 12 SYLLABUS

DC CIRCUITS			
Readings CUTNELL & JOHNSON § 20.1 – 20.11 pp. 587 – 610			
Date	Lesson	Handouts	Assignments Due
6/1	Go over Tests Voltage and Voltage Sources Demo: 4 Voltage Sources	Homework Set – DC Circuits Syllabus – DC Circuits	
6/2	<i>Activity – Combining EMF's</i>	<i>Activity – Combining EMF's</i>	
6/3	Current, Resistance, and Ohm's law Demo: Tennis Balls and the "magic ball"		<i>Activity – Combining EMF's</i>
6/4	Discussion – Electric Power & Energy, AC/DC, Measuring Voltage and Current		Section Summaries
6/7	<i>Activity – Measuring Voltage and Current in a Simple Circuit</i>	<i>Activity – Measuring Voltage and Current in a Simple Circuit</i>	
6/8	Discussion: Series and Parallel Circuits, Circuit Diagrams <i>Activity – Building Series and Parallel Circuits</i>	<i>Activity – Building Series and Parallel Circuits</i>	<i>Activity – Measuring Voltage and Current in a Simple Circuit</i>
6/9	<i>Discussion: Complex Circuits and Kirchoff's Laws</i>		<i>Activity – Building Series and Parallel Circuits</i>
6/10	Discussion: Internal Resistance, Grounding Quiz – Circuits		
6/11	<i>Activity – Analyze It!</i>	<i>Activity – Analyze It!</i>	
6/14	Check Homework Sets Review for Trimester Exam		<i>Activity – Analyze It!</i>