

AP PHYSICS

Electrostatics and Electric Potential

Calendar

DAY	CLASS	HOMEWORK
1	<ul style="list-style-type: none"> • Review Test • Lesson on Static Electricity, Charge in an atom, Insulators and Conductors, and Induced Charge • Lesson on Coulomb's Law • Problems (#13, 22) 	<ol style="list-style-type: none"> 1. Read 16.1-16.6, pages 439-449 2. Questions, page 464: #1-5, 7-8, 11 3. Problems, page 465: #1-2, 10, 12, 14
2	<ul style="list-style-type: none"> • Lesson on Electric Fields • Problems 	<ol style="list-style-type: none"> 1. Read 16.7-16.9 and 16.12, pages 450-457 and 462-463 2. Questions, page 464-465: #13-18, 20-21 3. Problems, page 466-467: #23, 26-27, 31, 34, 40-41
3	<ul style="list-style-type: none"> • Lesson on Electric Potential Energy and Potential Difference • Lesson on Electric Potential and Electric Field • Lesson on Equipotential Lines • Problems 	<ol style="list-style-type: none"> 1. Read 17.1-17.3, pages 470-475 2. Questions, page 488: #1-5 3. Problems, page 489 : #1, 3, 5, 10
4	<ul style="list-style-type: none"> • Lesson on the Electron Volt • Lesson on Electric Potential due to a Point Charge • Lab – Equipotential Lines and Electric Fields 	<ol style="list-style-type: none"> 1. Read 17.4-17.5, pages 476-479 2. Questions, page 488: #8-9, 11 3. Problems, page 489: #12, 15-16, 21, 24
5	<ul style="list-style-type: none"> • Lab – What is a Capacitor ?? 	<ol style="list-style-type: none"> 1. Read 17.7-17.11, pages 480-487 2. Questions, page 488: #14-15 3. Problems, page 490: #31, 37 4. Study For TEST
6	<ul style="list-style-type: none"> • Lesson on Capacitance / Problems 	<ol style="list-style-type: none"> 1. Problems, page 490: #40, 46-47 2. Study for Test
7	<ul style="list-style-type: none"> • Review • Test – Electrostatics and Electric Potential • Lab – Introduction to Electric Circuits 	