

Physics Year at a Glance

1 st Nine Weeks	2 nd Nine Weeks
<p><u>Unit 1 – Introduction: Basic Skills Unit</u></p> <p>Scientific Notation & Significant Digits</p> <p>Re-arranging Equations using Velocity Equation</p> <p>Fractions to Decimals</p> <p>Metric conversions/ Using a metric unit</p> <p>Time Conversions (yr/hr/min/sec)</p> <p>Slope</p> <p><u>Unit 2 – Introduction to Motion</u></p> <p>Constant Velocity</p> <p><u>Unit 3: Horizontal Linear Acceleration</u></p> <p>Constant Acceleration</p>	<p><u>Unit 4: Advanced Motion</u></p> <p>Freefall</p> <p>Projectiles</p> <p>Centripetal acceleration</p> <p>Assessment DCA 1: November 17-18, 2016</p> <p><u>Unit 5: Forces</u></p> <p>First Law and Free Body Diagrams</p> <p>Second Law, Weight, and Friction</p> <p>Third Law</p> <p>Universal Gravitation</p> <p>Semester # 1 Final</p>
3 rd Nine Weeks	4 th Nine Weeks
<p><u>Unit 6: Conservation of Momentum and Energy</u></p> <p>Collisions</p> <p><u>Unit 7: Work,, Power, Kinetic & Potential Energy</u></p> <p>Work, Power, Kinetic & Potential Energy</p> <p><u>Unit 8: Waves, Sound, and Light</u></p> <p>Describing Waves</p> <p>Interference, Resonance, and Doppler Effect</p>	<p>Assessment DCA 2: March 20- 24, 2017</p> <p><u>Unit 9: Heat</u></p> <p>Heat Transfer and Thermodynamics</p> <p><u>Unit 10: Electricity and Magnetism</u></p> <p>Static Electricity</p> <p>Circuits</p> <p>Magnetic Fields and Induction</p>

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<p>Electromagnetic Spectrum & Color</p> <p>Reflection, Refraction, Diffraction, and Interference</p>	<p><u>Unit 11: Modern Physics</u></p> <p>Photons</p> <p>Nuclear Forces & Reactions; Mass-Energy Equivalence</p> <p>Semester # 2 Final</p>
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