

Grade 12 Physics Year Plan 2022-2023

August 30, 2022–November 3, 2022	November 4, 2022--January 19, 2023	January 22, 2023--March 20, 2023	March 21, 2023--June 13, 2023
<p><u>Motion</u> Unit 1</p> <p>Chapter 1: The Science of Physics</p> <p>Section 1 – What is Physics?</p> <p>Section 2 – Measurements in Experiments</p> <p>Section 3 – The Language of Physics</p> <p>Unit 2</p> <p>Chapter 2: Motion: One Dimension</p> <p>Section 1 – Displacement/Velocity</p> <p>Section 2 – Acceleration</p> <p>Section 3 – Falling Objects</p> <p>Unit 3</p> <p>Chapter 3: Two Dimensional Motion: Vectors</p> <p>Section 1 – Introduction to Vectors</p> <p>Section 2 – Vector operations</p> <p>Section 3 – Projectile Motion</p> <p>Section 4 – Relative Motion</p>	<p><u>Forces</u> Unit 4</p> <p>Chapter 4: Forces & the Laws of Motion</p> <p>Section 1 – Changes in Motion</p> <p>Section 2 – Newton's 1st Law</p> <p>Unit 5</p> <p>Chapter 4: Forces & the Laws of Motion</p> <p>Section 3 – Newton's 2nd & 3rd Laws</p> <p>Section 4 – Everyday Forces</p>	<p><u>Energy</u> Unit 6</p> <p>Chapter 5: Work & Energy</p> <p>Section 1 – Work</p> <p>Section 2 – Energy</p> <p>Unit 7</p> <p>Chapter 5: Work & Energy</p> <p>Section 3 – Conservation of Energy</p> <p>Section 4 – Power</p> <p>Unit 8</p> <p>Chapter 6: Momentum & Collisions</p> <p>Section 1 – Movement & Impulse</p> <p>Section 2 – Conservation of Momentum</p> <p>Section 3 – Elastic & Inelastic Collisions</p>	<p><u>Fluids</u> Unit 9</p> <p>Chapter 8: Fluid Mechanics</p> <p>Section 1 – Fluids & Buoyant Force</p> <p>Section 2 – Fluid Pressure</p> <p>Section 3 – Fluids in Motion</p> <p><u>Magnetism</u> Unit 10</p> <p>Chapter 19: Magnetism</p> <p>Section 1 – Magnets & Magnetic Fields</p> <p>Section 2 – Magnetism from Electricity</p> <p>Section 3 – Magnetic Force</p> <p><u>Light</u> Unit 11</p> <p>Chapter 14/15:</p> <p>Optical Phenomena(overview)</p>