



Carroll ISD IPC 2021-2022 Year-At-A-Glance

	1 st Grading Period	2 nd Grading Period	3 rd Grading Period	4 th Grading Period
Scientific Skills and Practices	IPC 1A, 1B, 1C IPC 2A, 2B, 2C, 2D, 2E IPC 3A, 3B, 3C, 3D, 3E, 3F			
TEKS	<u>Unit 1: Safety, Math and Measurement</u> IPC 1A, 1B, 1C IPC 2A, 2B, 2C, 2D, 2E IPC 3A, 3B, 3C, 3D, 3E, 3F <u>Unit 2: Matter</u> 6A, 6C, 7A, 7B, 7C <u>Unit 3: Atomic Structure and Periodic Table</u> 6B, 6D, 7A, 7B, 7C, 7D, 7E	<u>Unit 4: Bonding</u> 6B, 6D, 7B <u>Unit 5: Chemical Reactions</u> 7B, 7C, 7D	<u>Unit 6: Solutions, Acids and Bases</u> 6E, 6F <u>Unit 7: Speed, Acceleration, and Newton's 1st Law</u> 4A, 4B, 4C <u>Unit 8: Newton's 2nd and 3rd Laws</u> 5D, 4E, 4F	<u>Unit 9: Energy, Work and Power</u> 5A, 5B, 5D, 5E <u>Unit 10: Waves</u> 5E, 5G, 5H, 5I <u>Unit 11: Electricity</u> 4G, 5C, 5F, 5I
Topic Focus	<u>Unit 1: Safety, Math and Measurement</u> Lab Safety Lab Equipment Scientific Method Graphing Accuracy and Precision Metric System <u>Unit 2: Matter</u> Properties of Matter Density and Viscosity	<u>Unit 4: Bonding</u> General Bonding Characteristics Counting Atoms Ionic Bonding Lewis Structures Ionic Bonding Nomenclature Covalent Bonding Nomenclature <u>Unit 5: Chemical Reactions</u>	<u>Unit 6: Solutions, Acids and Bases</u> How Solutions Form Types of Solutions Solubility Graphs Polarity in Solutions Concentration Acids and Bases <u>Unit 7: Speed, Acceleration, and Newton's 1st Law</u> Motion	<u>Unit 9: Energy, Work and Power</u> Forms of Energy Heat Transfer Conservation of Energy Work and Power Simple Machines <u>Unit 10: Waves</u> What are Waves? Mechanical Waves Wave Properties Sound Waves Electromagnetic Waves

	<p>States of Matter Classification of Matter</p> <p><u>Unit 3: Atomic Structure and Periodic Table</u> Periodic Table History of the Atom Structure of the Atom Bohr Models and Dot Diagrams Nuclear Chemistry</p>	<p>Parts of the Reaction Balancing Equations Types of Reactions Energy in Reactions</p>	<p>Speed Acceleration Motion Graphs Forces Newton's First Law</p> <p><u>Unit 8: Newton's 2nd and 3rd Laws</u> Newton's 2nd Law Friction Air Resistance Gravity Projectile Motion Centripetal Force Newton's 3rd Law Momentum</p>	<p><u>Unit 11: Electricity</u> Electric Charge Electric Current Electrical Energy</p>
<p>Additional Resources <i>Holt: Physical Science</i></p>	<p><u>Unit 1: Safety, Math and Measurement</u> Chapter 1</p> <p><u>Unit 2: Matter</u> Chapter 2</p> <p><u>Unit 3: Atomic Structure and Periodic Table</u> Chapter 3 Chapter 7</p>	<p><u>Unit 4: Bonding</u> Chapter 4</p> <p><u>Unit 5: Chemical Reactions</u> Chapter 5</p>	<p><u>Unit 6: Solutions, Acids and Bases</u> Chapter 6</p> <p><u>Unit 7: Speed, Acceleration, and Newton's 1st Law</u> Chapter 8</p> <p><u>Unit 8: Newton's 2nd and 3rd Laws</u> Chapter 8</p>	<p><u>Unit 9: Energy, Work and Power</u> Chapter 9 Chapter 10</p> <p><u>Unit 10: Waves</u> Chapter 11 Chapter 12</p> <p><u>Unit 11: Electricity</u> Chapter 13 Chapter 14</p>

Power Standards: 4C, 5A, 5B, 5D, 5G, 6A, 6C, 6D, 6F, 7C