



# Carroll ISD Advanced Chemistry 2021-2022 Year-At-A-Glance

	1 <sup>st</sup> Grading Period	2 <sup>nd</sup> Grading Period	3 <sup>rd</sup> Grading Period	4 <sup>th</sup> Grading Period
<b>Scientific Skills and Practices</b>	CHE 1A, 1B, 1C CHE 2A, 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I CHE 3A, 3B, 3C, 3D, 3E, 3F			
<b>TEKS</b>	<u>Unit 1</u> 1 A,B, C 2A,B,C,D,E,F,H,I 3 A,B,C,D,E,F; 7A, B  <u>Unit 2</u> 4A, B, C, D  <u>Unit 3</u> 5A, B, 6A, C, 12A, B	<u>Unit 4</u> 5B,C, 6B, D, 8A, B, C, D  <u>Unit 5</u> 7A,B, C, D, E	<u>Unit 6</u> 7A, B, 8E, F, 10B  <u>Unit 7:</u> 8E, F, G, H  <u>Unit 8:</u> 8E, F, G, H, 9A, B	<u>Unit 9:</u> 10A, B, C, D, E, F, G, H  <u>Unit 10:</u> 8E, G , 11C  <u>Unit 11:</u> 2E, F, G, H, I, J  <u>Unit 12:</u> 1A, B, C, 2E, F, H, 3A
<b>Topic Focus</b>	<u>Unit 1</u> Safety Scientific Method and Investigations Ionic Compound Formula Writing  <u>Unit 2</u> Matter and its properties  <u>Unit 3</u> Atomic Theory & Structure General Periodic Table Nuclear Chemistry	<u>Unit 4 (Part I and Part II)</u> Part I - Light and The Electron Part II - The Mole and Periodic Trends  <u>Unit 5</u> Ionic, Covalent, and Metallic Bonding	<u>Unit 6</u> Chemical Reactions, Net Ionic Equations, and Redox Reactions  <u>Unit 7</u> Chemical Quantities and Stoichiometry  <u>Unit 8</u> States of Matter and Gases	<u>Unit 9:</u> Solutions, Acids, and Bases  <u>Unit 10</u> Thermochemistry  <u>Unit 11:</u> Kinetics and Equilibrium  <u>Unit 12:</u> Qualitative Analysis of Cations and Anions - Laboratory Investigation

<b>Additional Resources</b>  <i>Textbook:</i> <i>Sapling</i> <i>Dynamic</i> <i>Chemistry</i>	<u>Unit 1:</u> Chapter 1	<u>Unit 4:</u> Chapters 3 and 7	<u>Unit 6:</u> Chapters 7 and 10	<u>Unit 9:</u> Chapter 10
	<u>Unit 2:</u> Chapter 2	<u>Unit 5:</u> Chapter 6	<u>Unit 7:</u> Chapter 7	<u>Unit 10:</u> Chapter 9
	<u>Unit 3:</u> Chapters 3 and 4		<u>Unit 8:</u> Chapter 8	

**Power Standards: CHE5.B, 5.C, 6.D, 7.A, 7.B, 8.B, 8.E, 9.A, 10.B, 10.F, 11.C**