

CURRICULUM MAP FOR CHEMISTRY # 527 GRADES 10 and 11

(Suggested timeline for introducing content and process standards - some overlap all four quarters)

SCIENCE GSEs	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
1. Life Science				
2. Earth and Space Science	<p style="color: red;">Experiment/Activity:</p> <p style="color: red;">Open Response</p> <p style="color: red;">Assessment Target</p>	<p style="color: red;">Experiment/Activity</p> <p style="color: red;">Open Response</p> <p style="color: red;">Assessment Target</p>	<p style="color: red;">Experiment/Activity</p> <p style="color: red;">Open Response</p> <p style="color: red;">Assessment Target</p>	<ul style="list-style-type: none"> • Nuclear chemistry 2.4.1-2.4.2 <p style="color: red;">Experiment/Activity: 2.4.3</p> <p style="color: red;">Open Response</p> <p style="color: red;">Assessment Target</p>
3. Physical Science	<ul style="list-style-type: none"> • Scientific Skills 3.1.6 3.1.26 • Scientific Method 3.1.1, 3.1.1., 3.1.4 • Pure Substances 3.1.1, 3.1.3, 3.1.14 • Mixtures 3.1.1, 3.1.2 • Structure of the atom 2.6.1-2.6.2, 3.2.1-3.2.5, 3.4.1-3.4.5, 3.4.9, 3.7.1, 3.1.16 • Periodic table 3.3.1-3.3.6, 3.4.8-3.4.9 	<ul style="list-style-type: none"> • Scientific Skills 3.1.26 • Ions 3.3.3 • Ionic compounds 3.4.6, 3.4.7, 3.4.12 • Covalent compounds 3.4.6- 3.4.8, 3.4.12, 3.1.24 • Naming compounds 3.1.3, 3.4.6 • Mole 3.6.13 - 3.6.15 • Chemical reactions , 3.6.1, 3.1.9, 3.4.11, 3.4.13 <p style="color: red;">Experiment/Activity: 3.4.15</p>	<ul style="list-style-type: none"> • Scientific Skills 3.1.26 • Stoichiometry 3.6.16-3.6.18 • Properties (states) of matter 3.1.17, 3.1.18, • Gases 3.1.19 -3.1.23, 3.1.25 • Solutions 3.1.5, 3.1.7, 3.1.8 <p style="color: red;">Experiment/Activities: 3.1.28, 3.6.21</p>	<ul style="list-style-type: none"> • Scientific Skills 3.1.26 • Thermochemistry 3.5.1-3.5.8, 3.5.13-3.5.14, 3.6.2 • Acids and bases 3.1.10-3.6.19 • Nuclear changes 3.6.3-3.6.9, 3.6.11-3.6.12, <p style="color: red;">Experiment/Activities 2.4.3 3.5.16, 3.6.21, 3.1.28,</p>

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	<p>Experiment/Activities: 3.1.28, 3.2.7, 3.3.8,</p> <p>Open Response 3.1.29, 3.2.8, 3.3.9</p> <p>Assessment Targets: 3.1 - 3.4</p>	<p>Open Response: 3.4.16</p> <p>Assessment Target</p>	<p>Open Response:</p> <p>Assessment Targets:</p>	<p>Open Response 3.5.17, 3.6.22</p> <p>Assessment Targets 2.4,3.5, 3.6</p>
<p>4. Inquiry</p>	<p>Inquiry Method</p> <ul style="list-style-type: none"> • Collects data • Communicates understanding & ideas • Designs, conducts, & critiques investigations • Represents, analyzes, & interprets data • Experimental design • Observes • Predicts • Questions and hypothesizes • Uses evidence to draw conclusions • Uses tools, & techniques <p>Open Response</p> <p>Assessment Target</p>	<p>Inquiry Method</p> <ul style="list-style-type: none"> • Collects data • Communicates understanding & ideas • Designs, conducts, & critiques investigations • Represents, analyzes, & interprets data • Experimental design • Observes • Predicts • Questions and hypothesizes • Uses evidence to draw conclusions • Uses tools, & techniques <p>Open Response</p> <p>Assessment Target</p>	<p>Inquiry Method</p> <ul style="list-style-type: none"> • Collects data • Communicates understanding & ideas • Designs, conducts, & critiques investigations • Represents, analyzes, & interprets data • Experimental design • Observes • Predicts • Questions and hypothesizes • Uses evidence to draw conclusions • Uses tools, & techniques <p>Open Response</p> <p>Assessment Target</p>	<p>Inquiry Method</p> <ul style="list-style-type: none"> • Collects data • Communicates understanding & ideas • Designs, conducts, & critiques investigations • Represents, analyzes, & interprets data • Experimental design • Observes • Predicts • Questions and hypothesizes • Uses evidence to draw conclusions • Uses tools, & techniques <p>Open Response</p> <p>Assessment Target</p>