

WSD Curriculum Map Template

[Example](#)

Course Title <i>Clarification: This is the name of the course as it would appear in the program of studies.</i>	Chemistry				
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Statement of Outcome <i>Clarification: This is a general statement of what a student would get out of taking this class. It is what would appear as the description of your course in the program of studies.</i>	This college preparatory lab-based course is structured around building an understanding of the basic concepts of chemistry. Students investigate these concepts in a variety of contexts including problem solving, projects, direct instruction, classroom discussions, and laboratory activities. This hands-on course covers the themes and skills scientists use to explain and explore natural phenomena at its smallest scales including: the nature of matter and the periodic table, atomic theory, chemical nomenclature, gas behavior, chemical reactions, stoichiometry.				
Unit Name & Timeframe <i>Clarification: What is the name of your unit? Approximately how long will it last?</i>	Intro to Chemistry	The Atom	Electrons	Chemical Bonds	Chemical Reactions
Topic(s) and driving question. <i>Clarification: This is stuff or “content” you will use to teach the GP indicators and GX and the questions you use to frame the big ideas.</i>	Essential Question: How does the composition of matter relate to the properties of matter that we can see and measure? Topics: Measurement, Dimensional Analysis and Scientific Notation, Matter	Essential Question: How can the periodic table of elements be used to understand the structure of the atom? Topics: Atomic Theory and Structure, The Periodic Table, Nuclear Chemistry	Essential Question: How do the arrangement and behavior of electrons in an atom contribute to the patterns seen in the periodic table? Topics: Introduction to Electrons, Electron Configurations, Periodic Trends	Essential Question: How does the structure of an atom determine the way it will form bonds within compounds and how do the forces between compounds determine the properties seen in substances? Topics: Introduction to Bonding, Ionic Bonds, Metallic Bonds, Covalent Bonds, Molecular Geometry & Intermolecular Forces	Essential Question: How is it possible to predict what substances, and how much of them, will be produced from a chemical reaction? Topics: Writing Reactions, Classifying Reactions, Chemical Equilibrium
GX Focus <i>Clarification: This is the GX’s you plan to pay particular attention to.</i>	Critical Thinking	Critical Thinking	Critical Thinking	Critical Thinking	Critical Thinking
GP- Content Indicators <i>Clarification: These are the performance indicators you will teach, assess and report on.</i>	- Plan and Carry Out Investigations - Design & Understand Models - Construct Explanations & Argue from Evidence - Analyzing and Interpreting Data	- Plan and Carry Out Investigations - Design & Understand Models - Construct Explanations & Argue from Evidence - Analyzing and Interpreting Data	- Plan and Carry Out Investigations - Design & Understand Models - Construct Explanations & Argue from Evidence - Analyzing and Interpreting Data	- Plan and Carry Out Investigations - Design & Understand Models - Construct Explanations & Argue from Evidence - Analyzing and Interpreting Data	- Plan and Carry Out Investigations - Design & Understand Models - Construct Explanations & Argue from Evidence - Analyzing and Interpreting Data
Summative Assessment <i>Clarification: This is a brief description of the task and or product you will use to assess student proficiency on the performance indicators you</i>	- End of Unit Exam Lab Report: <i>Effects of Study Environment on Knowledge Retention</i>	- Mid unit quiz - End of Unit Exam - Atomic Structure Children’s Book Project - Nuclear Chemistry	- End of Unit Exam Lab: Flame Tests Research & Report: Elements in the Body Research Project: Element Family Portrait	- Ionic Bonds Quiz - End of Unit Exam 1 - Covalent Bonds Quiz - End of Unit Exam 2 Research & Report: Common	- Balancing & Classifying Quiz - End of Unit Exam - Research: Ocean Acidification Infographic

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<i>identified above.</i>		Research Project Video		Compounds 6. Research: Alloy Ads Poster 7. Real World Molecular Research	
Link to Unit <i>Clarification: This is the link to your unit plan.</i>	Intro to Chemistry Intro to Chemistry HONORS	The Atom The Atom HONORS	Electrons Electrons HONORS	Chemical Bonds Chemical Bonds HONORS	Chemical Reactions Chemical Reactions HONORS