

Grade 9 Physical Science 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
Grade 9 Physical Science			
<p>Lab Safety Rules Lesson 1- Introduce main lab safety Rule (SI.1.12A, HS1.12A)</p> <p>The Scientific Method Lesson 1 – Introduction to the main 6 steps of the scientific Method</p> <p>Chemistry</p> <p>Unit 1 – States of Matter Lesson 1: Three States of matter (PS 1-3) Lesson 2: Behavior of Gasses (HS-PS1-3) Lesson 3: Changes of State (HS-PS1-4)</p> <p>Unit 2 – The Periodic Table Lesson 1: Periodic table/Arranging the Elements (HS -PS1-1) Lesson 2: The Atom (HS -PS1-2) Lesson3: Chemical Reaction of matter (HS -PS1-1) Lesson4: Bonding and Compound (HS -PS1-1)</p> <p>Unit 3 - Chemical compounds Lesson 1 : Acids and Bases - PH Lesson2 Solutions of Acids and Bases Lesson 3: Ionic and covalent bonding</p>	<p>Physics</p> <p>Unit 4- Introduction to Electricity Lesson 1: Electric Current and electrical energy (PS.5) Lesson 2: Electric circuits</p> <p>Unit 5 – Forces and Motion (PS2.1/2/3/4/5/6) Lesson 1: Gravity and motion Lesson 2: Newton's Law of Motion</p> <p>Unit 6: Machines (PS3) Lesson 1: What are Machines (PS.1-4) Lesson2: Simple Machines (PS.3-1) Lesson 3: Compound Machines (PS.1-5)</p>	<p>Biology</p> <p>Unit 7 –Cells (HS-LS1-4) Lesson 1: Cell theory Lesson 2: Diffusion and Osmosis Lesson 3: Cell Division- Mitosis</p> <p>Unit 8 – Genetics Lesson 1: identifying DNA as the genetic material (HS-LS3-1) Lesson 2: Mendelian Genetics (HS-LS3-2)</p>	<p>Earth Science</p> <p>Unit 9 – The Solar System Lesson 1: Formation of the solar system (HS-ESS 1-4) Lesson 2: Life and death of Stars (HS-ESS1-3)</p> <p>Unit 10- Earth through time Lesson 1: Planet Earth interior (HS-ESS1-1) Lesson2: Earth's system geoscience data(HS-ESS2-2)</p>

