

**Form 3 Term III Weekly Plan 2025/2026**

<b>Week</b>	<b>Topic</b>	<b>Objectives</b>
<b>1</b>	<b>Periodic Table</b>	Review historical development of Periodic Table. Label groups and periods. Name Group I, II, VII and 0. Define Atomic Number and Mass number. Calculate number of protons, electrons, and neutrons.
<b>2</b>	<b>Periodic Table</b>	State number of electrons on energy levels. Write electronic configuration. Draw dot and cross diagram for first 20 elements.
<b>3</b>	<b>Periodic Table</b>	Define relative atomic mass. Practice dot and cross diagram for atoms. Define isotopy. List the uses of radioisotopes (uranium-235, cobalt-60, plutonium-238, carbon-14, and iodine-131).
<b>4</b>	<b>Periodic Table</b>	Periodic Table Exercise
<b>5</b>	<b>Bonding</b>	Define bonding. Explain the need for bonding. Define compound. Identify two types of compounds (ionic and covalent). Ionic Bonding- explain transfer of electron, formation of ions, chemical formula, dot and cross diagram and general properties of ionic compounds.
<b>6</b>	<b>Bonding</b>	Covalent bonding- sharing of electrons, chemical formula, dot and cross diagram and general properties of covalent compounds). *Metallic compounds- explain metallic compounds and draw diagram to show metallic bonding
<b>7</b>	<b>Bonding</b>	<i>Revision</i>
<b>8</b>		