



Level:	Secondary Two	Topic:	Lesson Plan 2016
Subject:	Chemistry & Biology	Teacher:	Mr Hamdan

In the name of Allah, most Gracious, most Compassionate

<u>Week</u>	<u>Topics</u>	<u>Materials</u>	<u>Remarks</u>
	<p><u>Chapter 1: Chemical Bonding</u></p> <p>1. Bonding</p> <ul style="list-style-type: none">➤ Why bonding occurs➤ Different types of bonding➤ Differentiate strong or weak bonds <p>2. Ionic Bonding</p> <ul style="list-style-type: none">➤ Formation➤ Chemical name and formula (How to deduce)➤ Drawing with legends➤ Explaining the formation of ionic bonding <p>3. Covalent Bonding</p> <ul style="list-style-type: none">➤ Formation➤ Chemical name and formula (How to deduce)➤ Drawing with legends➤ Explaining the formation of covalent bonding <p>4. Properties of Bonds</p> <ul style="list-style-type: none">➤ Ionic bonding with explanation➤ Covalent bonding with explanation <p>5. Lattice Structure</p> <ul style="list-style-type: none">➤ Difference between lattice structure and normal structure		
	<p><u>Chapter 2: Chemical Equations</u></p> <p>1. Formation of equations</p> <ul style="list-style-type: none">➤ Monatomic and diatomic➤ Valency transfer➤ Special chemical formula <p>2. Knowledge of Basic Reactants & Products</p> <ul style="list-style-type: none">➤ Acid & Water Reactions➤ Covalent/Ionic		



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	<p><u>Chapter 3: Periodic Table</u></p> <ol style="list-style-type: none"> Understanding Periodic Table <ul style="list-style-type: none"> ➤ Arrangement ➤ Reasons behind Division of Groups and Periods ➤ Description Metallic Characteristics ➤ Group names and reason behind the names ➤ Relationship between Valency and Very Metallic Characteristics Group Properties of Periodic Table <ul style="list-style-type: none"> ➤ Understanding Alkali Metals, Halogens & Noble Gases ➤ Individual Group Properties ➤ Individual Trends ➤ Individual Chemical Properties (Chemical Equation) ➤ Description of Individual Chemical Properties ➤ Transition Metals 		
	<p><u>Chapter 4: Metals</u></p> <ol style="list-style-type: none"> Properties of Metals <ul style="list-style-type: none"> ➤ Describe main properties ➤ How each property is essential? ➤ Structure Importance of Metals <ul style="list-style-type: none"> ➤ Recycling Advantages and Disadvantages ➤ Social, Economic & Environmental Rusting <ul style="list-style-type: none"> ➤ Conditions for Rusting ➤ Ways to reduce rusting Alloys <ul style="list-style-type: none"> ➤ Formation of Alloys ➤ Difference between Alloys & Metals ➤ Types of Alloys and its composition ➤ Properties of Alloys & how mankind benefit 		



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	Continual Assessment 1		
	<u>Chapter 5: Acids & Bases</u> 1. Properties of Acids / Alkalis ➤ Importance of H ⁺ & OH ⁻ ➤ Difference between Base and Alkalis 2. Indicators & PH Scale 3. Different types of oxides		
	<u>Chapter 6: Cell Structure & Organisation</u>		Vendor
	<u>Chapter 7: Movement of Substances</u>		Vendor
	<u>Revision For Mid Year Examination</u> <u>Secondary 1</u> Chapter 1: Kinetic Particle theory Chapter 2: Element, Compound & Mixture Chapter 3: Atomic Structure Chapter 4: Experimental Design Chapter 5: Separation Techniques <u>Secondary 2</u> Chapter 1: Chemical Bonding Chapter 2: Chemical Equations Chapter 3: Periodic Table Chapter 4: Metals Chapter 5: Acids & Bases		
	<u>Mid Year Examination</u>		Sec 1 & 2 Topics

Total no. of periods in term 1: **periods**

Total no. of periods in term 2: **periods**

The End. Alhamdulillah.