

DAY/ DURATION	TOPIC/ SUBTOPIC /ASPECT	OBJECTIVES/RPK	TEACHER LEARNER ACTIVITIES	TEACHER LEARNING MAT.	CORE POINTS	EVALUATION AND REMARKS
<p><b>DAY</b> Monday</p> <p><b>DATE</b> 31-01-2022</p> <p><b>DURATION</b> 70 min</p>	<p><b>TOPIC</b> ACIDS AND BASES</p>	<p><b>OBJECTIVES</b> By the end of the lesson the pupil will be able to;</p> <p>1.1.2 State at least 2 properties of acid and base each.</p> <p><b>RPK</b> Pupils have eaten an orange before.</p>	<p><b>INTRODUCTION (10 mins)</b> Revise pupils RPK on previous lesson</p> <p><b>PRESENTATION ACTIVITIES (40 mins)</b></p> <p>-Guide pupils to state some properties of an acid</p> <p>-Guide pupils to watch video of acid base experiment.</p> <p>- Guide pupils to state some properties of a base.</p> <p><b>CLOSURE (20 mins)</b></p> <p>- Summarize the salient points. (5 mins)</p> <p>- let pupils copy core points into their notes. (5 mins)</p> <p>- Give exercise pupils for pupils to copy and complete. (10 mins)</p> <p>-Mark exercise and explain mistakes.</p>	<p>Chalkboard illustration. Video of Experiment to show that acid react with metals to release hydrogen gas.</p>	<p><u>Properties of Acids</u> Strong acids are corrosive in nature. They are good conductors of electricity. Their pH values are always less than 7. When reacted with metals, these substances produce hydrogen gas. Acids are sour-tasting substances.</p> <p><u>Properties of Bases</u> They have a soapy texture when touched. Bases act as good conductors of electricity. They have pH values greater than 7. Bases are bitter-tasting substances They have the ability to turn red litmus paper blue.</p> <p><b>APPLICATION</b> Litmus paper indicate if the substance is an acid or base.</p>	<p>EXERCISE State 2 Properties of i. Acid ii. Base</p> <p>REMARKS</p>

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<p><b>DAY</b> Thursday</p> <p><b>DATE</b> 03-02-2022</p> <p><b>DURATION</b> 70 min</p>	<p><b>TOPIC</b> ACIDS AND BASES</p>	<p><b>RPK</b> Pupils have eaten an orange before.</p> <p><b>OBJECTIVES</b> By the end of the lesson the pupil will be able to;</p> <p>1.1.2 distinguish between an acid and a base.</p>	<p><b>INTRODUCTION (10 mins)</b> Revise pupil's knowledge on previous lesson</p> <p><b>PRESENTATION ACTIVITIES (40 mins)</b> - Guide pupils to group items into acid and base as they watch the video.  - Guide pupils to differentiate between acid and base.</p> <p><b>CLOSURE (20 mins)</b> - Summarize the salient points. (5 mins) - let pupils copy core points into their notes. (5 mins) - Give exercise pupils for pupils to copy and complete. (10 mins) -Mark exercise and explain mistakes.</p>	<p>Chalkboard illustration. Video of an experiment to test for acid and base using litmus paper.</p>	<p><b><u>Difference between Acids and Bases</u></b> Acid gives off hydrogen ions when dissolved in water while Bases give off hydroxyl ion when dissolved in water.</p> <p>Acid turns blue litmus paper into red whiles It turns red colour litmus paper into blue.</p> <p>Acid It has a sour taste whiles base has bitter taste and soapy to touch.</p> <p><b>APPLICATION</b> Pupils get to understand that substances may be acidic or basic</p>	<p><b>EXERCISE</b> State one difference between an acid and a base.</p> <p><b>REMARKS</b></p>

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<p><b>DAY</b> Friday</p> <p><b>DATE</b> 04-02-2022</p> <p><b>DURATION</b> 70 min</p>	<p><b>TOPIC</b> ACIDS AND BASES</p>	<p><b>OBJECTIVES</b> By the end of the lesson the pupil will be able to;</p> <p>1.1.2 state at least 2 examples of types of acids and bases.</p> <p><b>RPK</b> Pupils have eaten an orange before.</p>	<p><b>INTRODUCTION (10 mins)</b> Revise pupil's knowledge on previous lesson.</p> <p><b>PRESENTATION ACTIVITIES (40 mins)</b> - Guide pupils</p> <p><b>CLOSURE (20 mins)</b> - Summarize the salient points. (5 mins) - let pupils copy core points into their notes. (5 mins) - Give exercise pupils for pupils to copy and complete. (10 mins) -Mark exercise and explain mistakes.</p>	<p>Chalkboard illustration. Video of Picture of</p>	<p><u>Types of acid</u> Organic acid- acid acquired from nature. Inorganic acid refers to acid made in the lab. Eg. Organic acid Vinegar: Acetic acid Apple: Malic acid Protein: Amino acid. Milk: Lactic acid Lemon: Citric acid.</p> <p><u>Types of base</u> Organic base- base acquired from nature. Inorganic base refers to base made in the lab. Eg. Organic base Potassium hydroxide - KOH from ashes of plants Ammonia – from decomposition of organic matter.</p> <p><b>APPLICATION</b> Litmus paper indicate if the substance is an base or base.</p>	<p><b>EXERCISE</b> 1. What is organic acid? 2. Give 2 examples of organic acid.</p> <p><b>REMARKS</b></p>