3RD WEEK ENDING :	4 TH FEBRUARY, 2022
SUBJECT : SCIENCE	

CLASS: JHS 3

TERM: 1

NAME OF TEACHER: ISAAC DUKER PROF. DUKER - 0242830522

REFERENCE: Integrated Science Syllabus, Aki Ola Science For Jhs, Internet (Youtube)

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

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DAY/ DURATION	TOPIC/ SUBTOPIC /ASPECT	OBJECTIVES/RPK	TEACHER LEARNER ACTIVITIES	TEACHER LEARNING MAT.	CORE POINTS	EVALUATTION AND REMARKS	
DAY Thursday DATE 03-02-2022	TOPIC ACIDS AND BASES	RPK Pupils have eaten an orange before. OBJECTIVES By the end of the lesson the pupil will be able to;	INTRODUCTION (10 mins) Revise pupil's knowledge on previous lesson PRESENTATION ACTIVITIES (40 mins) - Guide pupils to group items into as and base as they watch the video.	Chalkboard illustration. Video of an experiment to test for acid and base using litmus paper.	Difference between Acids and BasesAcid gives off hydrogen ions when dissolved in water whiles Bases give off hydroxyl ion when dissolved in water.Acid turns blue litmus	EXERCISE State one difference between an acid and a base.	
DURATION 70 min		1.1.2 distinguish between an acid and a base.	- Guide pupils to differentiate between acid and base.		paper into red whiles It turns red colour litmus paper into blue. Acid It has a sour taste whiles base has bitter taste and soapy to touch.	REMARKS	
			 CLOSURE (20 mins) 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. 		APPLICATION Pupils get to understand that substances may be acidic or basic		

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