## SCHEME OF WORK

Name of teacher:	

Name of School: .....

Year: 2023

TERM: 1 & 2
Subject: PHYSICS

Class/Stream: FORM 3Sci1 & Sci2

COMPETENC E	GENERAL OBJECTIV E	MON	wĸ	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	ASSESMEN T
Applying rules of friction in daily life	Realize the importance of infraction in daily life		1	APPLICATIO NS OF VECTORS	Scalar and Vector quantities	4	- Guide students to classify the physical quantities into scalars and vectors	- To distinguish physical quantities into scalar and vectors		A.F. Abbott Pg53-55P.of Physics by M. Nelkon 8 <sup>th</sup> Ed.	
		JANUARY					- To demonstrate on adding vectors by graphical method  - Guide students to find the resultant and direction of a vector by using triangle and parallelogram laws  - Lead students to state triangle and parallelogram laws of forces	<ul> <li>To add displacement, velocities and forces by graphical method.</li> <li>To find the resultant and direction of vector</li> <li>To state triangle and parallelogram laws.</li> </ul>	Graph paper, ruler, mathematica l set.	Pg.28-30.  A.F Abbott Pg.58-61	
		JA NU AR Y	2		Relative motion		Lead students to explain the concept of relative motion      Guide students to find the relative velocities of two bodies by drawing or calculation      Lead students to discuss the applications of relative motion in daily life.	- Students to discuss the relative velocity of two objects moving in the same direction and in the opposite directions  - Students to find the relative velocities of two bodies by drawing or calculations.  - To discuss the applications of relative motion in daily life	- Graph paper Ruler - Mathemat ic set  -do-		

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COMPETE NCE	GENERAL OBJECTIVE	MON	wĸ	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJECT TWORK	REMARKS
		JANUAR Y	3		Resoluti on of Vectors	2	<ul> <li>Guide students to explain the concept of resolution of vector</li> <li>Help them to resolve a vector into two mutually perpendicular directions.</li> <li>Assist students to solve problems of forces and velocities by resolving</li> </ul>	<ul> <li>Student to explain the concept of components of a vector.</li> <li>To resolve a vector into two mutual perpendicular directions.</li> <li>To solve problems of forces and velocities by resolving</li> </ul>	Charts of moving boat or air plane	A.F. Abbott Pg56-57P g A.F Abbott Pg.58-61		
		FE B R U A R Y	4	FRICTION	Concept of friction	2	<ul> <li>To assist students to explain the concept of friction.</li> <li>Guide students to discuss the advantages and disadvantages of friction in daily life</li> <li>Group students and guide them to discuss the</li> </ul>	<ul> <li>To explain the concept of friction</li> <li>To mention the disadvantages of friction such as wearing and tearing of clothes and tires</li> <li>To discuss the methods of reducing friction like rollers, ball</li> </ul>	Rollers, Grease, ball-bearin g	A.F Abbott 5 <sup>th</sup> ED. Pg.17-12		

name of t	eacner:					_		<u>.</u>				
Year: <u>2023</u>												
Class/Stream: FORM 3Sci1 & Sci2												
							way of reducing friction.	bearings and lubricants				

СОМР	TE GENERAL				SUB TOPIC	No.				REF.	PROJECT	
NCE	OBJECTIV	MON	wĸ	MAIN TOPIC		PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	воок	TWORK	REMARKS
1 1	E									s		
		F E B R U A R Y	5	FRICTION	Type of Friction	2	- Lead the students to discuss the types of friction forces  - Guide them to determine the limiting friction by using a black of wood.  - Guide students to stake laws of friction  - Guide students to define the coefficient of static and dynamic friction.	<ul> <li>To discuss the types of friction</li> <li>To determine the limiting friction using a block of wood.</li> <li>To listen and take notes.</li> <li>Students to carryout an experiment to determine the coefficient of static friction.</li> </ul>	- Block of wood - Rough surface - Spring balance - Pulley - String			

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Class/St	ream: <b>FOR</b>	M 3Sci1 & S	<u>Sci2</u>								Subject: <b>PHYS</b>	<u>SICS</u>		
						Laws of	2	- Guide stu to solve problems friction		- To solve questions as class work and home work on	-	-do-		
		F E B R U A R Y		6	FRICTION	Reflection n of light from curved mirrors.	2	-Display conce and convex m to students. A them to describe features of concave and of mirrors and distinguish the -Guide stude describe print axis, pole, for and radius of curvature as applied to mi	irrors ask ibe f convex aem ints to ccipal cus, f	friction.  - To describe, while in groups the features of concave and convex mirrors.  - To define the principal axis, focus, pole, radius of curvature and distinguish them.	- Concave and convex mirrors spoons	-do-	Principal of physics by Nelkon 8 <sup>th</sup> Ed Pg. 268-269	
COMPET ENCE	GENERAL OBJECTIV E	MON	wĸ	MAIN TOPI		No. PRD	ТЕАСНЕ	ERS ACTIVITIES	Pi	UPILS ACTIVITIES	TEACHING AIDS	REF. BOOI	PROJECT TWORK	REMARK S
the knowled ge of light in the construct ions of	Understan d principles of constructi on of optical instrumen ts	F E B R U A R	7	LIGH	T Reflection of light from curved mirrors	n 4	locat form mirr - Defii posit imag curv	ne the nature, cion and size of ge formed by ed mirror.	nc - Tc fo: m - Tc ex de	o listen and take otes. o locate images rmed by curved irrors o carryout an experiment to extermine the focal ingth of a concave irror	<ul> <li>Graph paper</li> <li>Curved mirrors</li> <li>Plain paper</li> <li>Object</li> <li>Screen</li> <li>Optical pins</li> <li>Torch</li> </ul>	Principal of Physics by M. Nelkon Pg 271-27 A.F. Abbot Pg. 236-24	7 3 ct	
							carry expe deter lengt	students to yout an riment to rmine the focal th of a concave or by						

non-parallax

# SCHEME OF WORK

Name of teacher:	_ Nam	e of School:
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Class/Stream: FORIVI 35C	11 & SCIZ		Subject: <u>PHYSICS</u>									
					method or illuminated object.							
I I	M 8 A R C	LIGHT	Mirror formula	6	- Guide student to compute the position, magnification of an image formed in a curved mirror using mirror formula  1 = 1 + 1 f u u  - Lead students to describe the daily life application of curved mirrors	<ul> <li>To do several calculation on the application of the mirror formula.</li> <li>To list down the applications of curved mirrors in daily life.</li> </ul>		A.F ABBOTT 5 <sup>TH</sup> Ed Pg.244 -247  Principals of Physics by M. Nelkon 8 <sup>th</sup> Ed. Pg 277-279				
10 <sup>TH</sup> – 15 <sup>TH</sup> MARCH - MIDTERM TEST 16 <sup>TH</sup> – 23 <sup>RD</sup> MARCH - MIDTERM BREAK												

COMPETEN CE	GENERAL OBJECTIVE	MON	WK	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJECT TWORK	REMAR KS
		M A R	11	LIGHT	Refracti on of light	4	-Lead students of define refraction of light using a stick immersed in a glass of water Demonstrate to students on finding the angle of incidents	- to define the refraction of lightto use glass block and optical pins to find angle I and angel r.	- Rectangular Glass block -Optical pins -Protractor -Drawing board. -Ruler. -White paper	A.F ABBOTT 5 <sup>th</sup> ED. Pg 248-Pg 256		

Name of teacher:							Name of Sch	ool: <u></u>
Year: 202	<u>!3</u>						TERM: <b>1 &amp;</b> 2	2
Class/Stream: FORM 3Sci1 & Sci2							Subject: PH	<u> /SICS</u>
		Н				and angle of	do	

COMPET ENCE	GENER AL OBJEC TIVE	MON	wĸ	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJECT TWORK	REMARS
		٦	13	LIGHT	Colo	2	- Guide students to determine angle of	- To do the practical to determine angle	<ul><li>Triangular glass block.</li><li>Optical pins.</li></ul>	-do-	Students in group to cons tract a simple	

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Class/Stream: FORM 3Sci1 & Sci2 Subject: PHYSICS

Class/S	Stream: <u>FC</u>	RM 3Sci1	& Sci2					Subject: PHYSICS					
					of		deviation and	of minimum	- White paper		prism		
					Light		minimum deviation.	deviation		<b>.</b>	binocular.		
							<ul> <li>Explain the components of white light.</li> <li>Discuss on the methods of recombination of colours of white light.</li> <li>Demonstrate the appearance of coloured objects in white light.</li> </ul>	<ul> <li>To name the components of white light</li> <li>To listen and take notes</li> <li>To observe the coloured object through white light</li> </ul>	Coloured objects Coloured filters White objects	Principle of Physics by M. Nelkon 8 <sup>th</sup> Ed. Pg 328 –Pg 337			
							- Guide student to	- To identify					
		AP RI LH	14	LIGHT	LENS ES	2	identity primary, secondary and complementary colour of light.	primary, secondary and complementary colours.	-Blue, Green and Red filters. -White screen.	-do-			
		22 T H – FE				2	- Discuss with students about additive and subtractive colour mixing	- To describe the additive and subtractive colour mixing	-Concave and convex mirrors				
		B 22 ND					<ul> <li>Display the concave and convex lenses to students.</li> <li>Explain the terms focal length, principle focus, principle axis and optical centre as applied to lenses.</li> </ul>	<ul> <li>To identify the concave and convex lenses.</li> <li>To listen and take notes</li> </ul>		A.F. ABBOTT Pg. 261-Pg26 8			

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TERM: **1 & 2** 

Subject: PHYSICS

MON	WK	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJECT TWORK	REMARKS
APRII LH 22T H - FEB 22 <sup>ND</sup>	15	MAIN TOPIC	Lenses		- Lead students to determine the focal length of a convex lens.  - Discuss using ray diagrams how to locate the image formation by a lens.  Guide the students to determine the position, sixe and nature of the image formed by using lens formula  1 = 1 + 1  f u u  - Do more calculations as example	- To determine the focal length of a convex mirror  - To follow discussion  - To use the thin lens formula to calculate the image position sixe and state the nature of the image formed	Convex lens Meter rule.	-do-	TWORK	REMARKS

# SCHEME OF WORK

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Name of teacher:	Name of School:
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16	OPTICAL INSTRUMENTS	Lens	2	- Lead students to place a small object between the optical centre and F and a convex the	- To make observations on magnification of an image.	- Convex lens - Candle - Match box		-do-	
		Simple microscope	2	image.  - To solve more problems as an application of a lens formula.  - Guide students to describe the structure and mode of action of a simple microscope	<ul> <li>To do calculation as application of the lens formula</li> <li>To describe and explain how the device works.</li> </ul>		Students in groups of 6 to construct simple microscope	A.F. ABBOTT Pg. 269-Pg 272 M. Nelkcon 8 <sup>th</sup> Ed. Pg 313-Pg 325	

MON	WK	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJECT WORK	REMARKS	
MAY	17	OPTICAL INSTRUMENTS	Compound microscope	2	<ul> <li>Guide the students to discuss the structure and mode of action of a compound microscope.</li> <li>Help students to highlight the common uses of a compound microscope in daily life.</li> </ul>	<ul> <li>Using ray diagram to show image formation and magnification of a compound microscope.</li> <li>To discuss the uses of compound microscope in daily life.</li> </ul>	- Chart of compound microscope - Lenses screen, objects.	-do-	Students in a group of 5-6 to construct a simple compoun d microsco pe.		
	18	12 <sup>TH</sup> - 17 MAY - TERMINAL EXAMINATIONS									

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Name of teacher:	Name of School:
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	/ 19		$18^{\text{TH}} - 25^{\text{TH}} \text{ MAY } - 1 \text{ WEEK HOLIDAY}$								
MAY		1	Astronomical telescope	2	- Guide students to describe the structure and mode of action of an astronomical telescope.	- To describe the structure and mode of action of a telescope	-Lenses. - Chart of an astronomical telescope	-do-	To construct a simple telescope.		
	20			2	- Highlight the uses of an astronomical telescope.	- To list down the application of a telescope.					

MON	WK	MAIN TOPIC	SUB TOPIC	No.	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING	REF. BOOKS	PROJECT	REMARKS
-				PRD	- Lead students to	- To participate in	AIDS		TWORK	
JUNE	21		Projection lantern	2	discuss on the structure and mode of action of a projection lantern Discuss, by demonstration, the uses of a projection lantern	<ul> <li>To participate in the discuss</li> <li>To observe the function of the machine</li> <li>To take notes</li> </ul>	-Projection lantern - Slides -Chart of projection lantern	-do-	Students a group of 5-6 to construct a simple projectio n lantern	

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MON	WK M	IAIN TOPIC SUB T	OPIC No. PRD		ACHERS TIVITIES	PUPILS AC	CTIVITIES	TEACHING A	IDS	REF. BOOK	KS	PROJECT WORK	RE	MARKS
JUN E	22		The human eye	4	-Describe the structure as of action of human eyes - Guide studidentify the of the humand how the connect - Ask stude write downsimilarities human eyelens came home word-Do calculate optical instructions.	and mode f a dents to dents to defects an eye ney can ded nts to n the des of re and dera as a k. tions on ruments.	-To ident defects and the Connects - To writ similar eye and and the camera - To do o given b	tify the of the eye et ions.  e down the ities of the d the eye et lens  alculations by the	h e d le ca	Model of auman ye.  Optical iagram of ens amera	-dc			
		OPTICAL INSTRUMENTS	Lens camera	2	- Lead studiscuss of structure mode of a lens ca - Ask studimention camera	on the e and action of mera	the d - To lis daily applid	rticipate in liscuss t down the life practical cation of the camera	ca - C le	ens amera Chart of ens Camera				

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Class/Stream: FORM 3Sci1 & Sci2	Subject: PHYSICS

		•					
				- Guide students	- To follow the		
JU				to discuss in	discuss		
NE				groups the			
				expansion and	- To determine		
	0.4			contraction of	the coefficient		
	24			solids interns of	of linear		
				the kinetic	expansibility.		
				theory of	- To do		
				<u> </u>			
				matter.	calculations on		
					the		
			Expansion of	- Lead students	applications of		
			solids	to develop the	the formula		
				formula of			
				linear			
				expansion of			
				solids			
				- Highlight on			
				applications of			
				the expansion			
				of solids.			

'	WK	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJECT TWORK	REMARKS
NOM / JULY	25		Thermal expansion of liquid	PRD 4	- Guide students to explain the apparent expansion of a liquid Demonstrate the volume expansion of liquids (different)  - Lead students to define volume expansivity of liquid	<ul> <li>To follow the discuss and participate on demonstration of expansion of different liquids.</li> <li>To define the volume expansivity of a liquid</li> </ul>	.Ball and ring -Source of heart.	AF. ABBOTT Pg 159-Pg 165  M. Nelkon 8 <sup>TH</sup> ed Pg 175 -Pg 187		

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Name of teacher:	Name of School:
Voc. 11, 2022	TEDM. 4 . 9 . 3

		MINI SSCIE & SCIE					 t. <u>111151C5</u>	 
		THERMAL EXPANSION			<ul> <li>Guide students, through question, how hear affect the density of liquids.</li> <li>Verify the anomalous expansion of water, and explain the application of liquids in everyday life.</li> </ul>	<ul> <li>To state the effect of heat to the density of liquids.</li> <li>To explain the anomalous expansion of water.</li> <li>List the applications of expansion of liquid in everyday life.</li> </ul>		
AUG UST	26		Thermal Expansion of gases	4	<ul> <li>Guide students to discuss the concept of the thermal expansion of gases.</li> <li>Lead students to the statement of Charles's law and Boyle's law.</li> <li>Lead students to derive the general gas law <u>pv</u> = constant r</li> <li>Use the equation to solve problems.</li> </ul>	<ul> <li>To explain the concept of thermal expansion of gases.</li> <li>To state Charles's law.</li> <li>To derive the relation pv = constant r and solve the problems using the general gas law relation</li> </ul>	Principal of Physics by M. Nelkon Pg 188-Pg 198. AF. ABBOT Pg 170-Pg 181	

MON	WK	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJE CT	REMARKS
									TWORK	

Name of	teache	r:					Name of Scl	hool: <u></u>	<u></u>
Year: <b>202</b>	<u>23</u>						TERM: <b>1 &amp;</b>	2	
Class/Str	eam: <u><b>FC</b></u>	ORM 3Sci1 & Sci2	<u>2</u>				Subject: <u>PH</u>	<u>IYSICS</u>	
AUGUST	27	THERMAL ENERGY	Absolute scale of temperatur e	4	<ul> <li>Lead students by questions and answer technique to explain the concept of the absolute zero temperature and the absolute scale of temperature (Kelvin)</li> <li>Guide students to convert in degree centigrade to Kelvin.</li> <li>Lead students to convert in degree centigrade to Kelvin.</li> <li>Lead students to discuss the value of standard temperature and pressure.</li> <li>Guide students to explain the applications of expansion of gas in daily life</li> </ul>	<ul> <li>To explain the concept of the absolute zero temperature and the absolute scale of temperature.</li> <li>To do calculations on converting degree Celsius to Kelvin.</li> <li>To discuss the values of standard temperature and pressure.</li> <li>To explain the application of expansion of gas in daily life.</li> </ul>	-Graph paper -Model of a position engine	Principa ls of Physics by M. Nelkon 8 <sup>th</sup> Ed. Pg 190-192	
SEP TEM BER H 22T H – FEB 22 <sup>ND</sup>	28/33	2	1 <sup>st</sup> – 25 <sup>th</sup> JULY	? – MI	DTERM EXAMS & 26 <sup>TH</sup>	JULY – 1 <sup>st</sup> SEPTEMBE	R, LONG VAC	ATION	
					- Guide students to brainstorm the	- To explain the concept of heat transfer.	-Brass rods -Wood a bar	Principl es of Physics	

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	34	TRANSFER OF THERMAL ENERGY	Conduction	2	concept of heat transfer  - Lead students to identify good and bad conductors of heat.  - Help students to explain how heat losses due to conduction can be minimized.  - Discuss with students the selective uses of good and bad conductors of heat in everyday life.	-	To identify good and bad conductors of heat.  To lest down the mans of minimizing heat lost in a conductor.  To describe the uses of good and bad conductors of heat.	-Foam insulationThick carpet -Curtains.	by M. Nelkon Pg. 175-23 1			
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SEPTEMBER	WK	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJE CT TWORK	REMARKS
	34		Convection	2	Guide students to demonstrate convection currents in water using crystals of potassium permanganate.      Lead students to discuss heat transfer in liquids	<ul> <li>To follow the demonstration and describe their observation.</li> <li>To discuss the formation of sea and land breezes during day and night.</li> </ul>	-Smoke -Potassium permanganate -Water -Diagram of sea and land breezes	-do-		

Name of	teache	: <sub></sub>						Name of Scho	ool: <u></u>	<u></u>	
Year: <b>20</b> 2	<u>23</u>							TERM: <b>1 &amp; 2</b>			
Class/Str	eam: <u>FC</u>	ORM 3Sci1 & Sci2	) =					Subject: <b>PHY</b>	<u>SICS</u>		
		TRANSFER OF THERMAL ENERGY			and gases using the kinetic theory of mater.  Guide students to minimize heat losses due to convection.  Guide students to minimize heat losses due to convection.  Guide students to discuss the mode of action of domestic hot water supply system.	-	To identify the methods of minimizing heat loss due to convection. To visit house with the hot water system.				
SEP TEM BER H 22T H – FEB 22 <sup>ND</sup>	35		Radiations	4	<ul> <li>Guide students to brainstorm how heat from the sun reaches the earth's surface</li> <li>Lead students to discuss on how thermal radiation can be detected</li> <li>Guide students to demonstrate that black surfaces are good absorbers and emitters of radiant heat.</li> <li>Guide students to discuss the way heat loss by radiation can be minimized by using thermos flask.</li> </ul>	-	Student to discuss on how heat from the sun reaches the earth's surface. To detect thermal radiation using lens and concave reflector. To expose two objects of black surface and white surface and observe which is a good absorbers and good emitters of radiant heat. To discuss method of minimizing heat loss by using thermos flask.	-Thermometer -Concave reflector -Lens -Thermos flask	-do-		

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	33/34		13 <sup>th</sup> SEPT – 18 <sup>th</sup> SEPT: MID-TERM TEST 18 <sup>th</sup> SEPT – 26 <sup>th</sup> SEPT: MID-TERM TEST							
SEPTEMBER	36	MEASUREM ENT OF THERMAL ENERGY	Heart Capacity	4	<ul> <li>Discuss with the students on the factors which determine heat quantity of a substance.</li> <li>Guide students to the definition of the heat capacity of s substance.</li> <li>Highlight the concept of specific heat capacity of a substance.</li> </ul>	<ul> <li>The name the factors which determine heat quantity of a substance.</li> <li>To define capacity of a substance.</li> <li>To find the S.I. Unit of heart capacity.</li> <li>To do calculation on heat capacity and specific heat capacity of a substance</li> </ul>	<ul> <li>Heat</li> <li>Thermomete</li> <li>r</li> <li>Beaker</li> </ul>	-do-		
SE PT E M BE R H 22 T H - FE B 22 MD	37		Change of State	4	<ul> <li>Lead students to demonstrate the behavior of particles in a solid, liquid and gases.</li> <li>Lead students to discuss the concept of melting/freezing points of a substance.</li> <li>Lead students to demonstrate the effect of the impurities of freezing point and boiling point of water.</li> </ul>	<ul> <li>To explain the behavior of particles in a matter in terms of kinetic theory of gases.</li> <li>To perform an experiment to determine the melting point of naphthalene, plot and interpret a cooling curve of naphthalene.</li> <li>To find out the effect of impurities on the boiling and</li> </ul>	-Naphthalene -thermometer -Test tube -Graph paper  -ice -Salt -Water - Beaker	-do-		

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						freezing point of substance.					

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SEPTEMBER / OCTOBER	37 / 39		Change of state Effect of pressure on boiling point and freezing point	4	<ul> <li>Lead students to demonstrate the effect of pressure on the boiling point and freezing point of water.</li> <li>Guide students to demonstrate the effect of phenomenon of regulation.</li> <li>Highlight the concept of boiling and evaporation in respect to the kinetic theory of matter</li> </ul>	<ul> <li>To find the effect of pressure on boiling point and freezing point of liquids.</li> <li>To sit in group to discuss the concept of regulation.</li> <li>To sit in group to discuss the concept of boiling and evaporation in terms of kinetic theory of matter</li> </ul>	-Conical flask -Rubber band -Thermometer -Water -Ice block -Weight -Thin wire -Beaker	-do-		

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TO BE R  Latent heat of fusion and vaporization  Latent heat of fusion and vaporizatio	s in concept of the specific latent heat of fusion and vaporization.  To find its S.I. Units.  To plot the graph of temperature-tim e to deduce latent heat of vaporization.  To use the cooling curve of naphthalene to deduce latent
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МО	N	WK	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJECT TWORK	REMARKS
	OCTOBER	41	VAPOUR AND HUMIDITY	Refrigerator Vapour	2	<ul> <li>Display a chart of a diagram of a refrigerator and lead students to discuss the parts of it.</li> <li>Describe the mechanism of the refrigeration.</li> <li>Lead students to discuss the concept</li> </ul>	<ul> <li>To discuss the parts of a refrigerator.</li> <li>To listen</li> <li>Follow the discussion and take notes</li> <li>To explain the concept of evaporation</li> </ul>	-Chart of diagram of refrigerator -Refrigerator -Ether spirit -Conical flask	-do-		

MON WK	MAIN TOPIC	SUB TOPIC	No. PRD	TEACHERS ACTIVITIES	PUPILS ACTIVITIES	TEACHING AIDS	REF. BOOKS	PROJECT TWORK	REMARKS
40				8 <sup>th</sup> November -12 <sup>th</sup> 2	2010 – REGIONAL EXAM	MINATION			
OC TO 41 BE R		Saturated vapour pressure (S.V.P)	2	<ul> <li>Lead students to discuss the increase of S.V.P of a volatile liquid due to temperature rise.</li> <li>Guide students to discuss the concept of humidity.</li> <li>Lead students to explain the process of dew formation and the factors that influence the formation of dew.</li> </ul>	<ul> <li>To explain the effect of temperature on S.V.P of a liquid.</li> <li>To take notes</li> <li>To discuss, in group, the concept of humidity.</li> <li>To demonstrate dew point in lab. And explain factors which influence the formation of dew.</li> </ul>		-do-		
Year: <u><b>2023</b></u>	FORM 3Sci1 & Sci2			of evaporation of liquids.  - Lead students to the factors affecting evaporation of liquid.  - Help students to distinguish between saturated and unsaturated vapours.	<ul> <li>Students to discuss the effect of temperature pressure, surface area of the liquid, nature of the liquid and atmospheric conditions on evaporation.</li> <li>To listen and take notes</li> </ul>	TERM	: <u>1 &amp; 2</u> ct: <u>PHYSICS</u>		
name of teache	er:					ivame	: ot School:		

Name of teacher:	Name of School:
Year: <b>2023</b>	TERM: <b>1 &amp; 2</b>
Class/Stream: FORM 3Sci1 & Sci2	Subject: PHYSICS

OCTOBER	42		Relative humidity	2	- Lead students in determination of Relative Humidity of air using wet and dry bulb hydrometer.  - Guide students to discuss the effect of R.H. in everyday life.	To find R.H. from the dew point using Reginault's hygrometer.  To discuss the effects of R.H. in everyday life.  To take notes.	- Wet and dry bulb hygrometer.	-do-	
NO VE M BE R	43	CURRENT ELECTRICITY	Emf and P.D		<ul> <li>Guide students to discuss the concept of emf and p.d.</li> <li>Lead students to state the units of emf and p.d.</li> <li>Guide students to measure the emf and p.d across a conductor</li> <li>Lead students to connect and analyse simple electric circuits</li> </ul>	<ul> <li>To discuss the concept of emf and p.d.</li> <li>To take notes to state the unit of emf and p.d.</li> <li>To measure emf and p.d. across a conductor.</li> <li>To connect and analyse simple electric circuits</li> </ul>		A.F ABBOTT 5th Ed. Pg. 404-409	