lame of teacher:	Name of School:
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Year: 2023

Class/Stream: FORM ONE Subject: CHEMISTRY

COMPE	GENERA	М	W	MAI		P				REFE		
TENCE	L	0	E	N	SUB-TOP	Ε		LEARNING	T/L	RENC	ASSESSM	
	OBJECTI	N	Ε	TOPI	IC	R	TEACHING ACTIVITIES	ACTIVITIES	MATERIA	ES	ENT	REMARKS
	VES	Т	K	С		ı			S			
		н				0						
						D						
					_	S					_	
Using	To explain	J	3	1.	1.	2	<ul> <li>To guide students</li> </ul>	●To explain the	• Wall		• To	
chemistry	the	AN UA		INT	The		to	concept of	charts &		give	
skills and	concept of	R		ROD	concept of		discuss the meaning of	chemistry.	pictures		the	
knowledg	chemistry	Y		UCT	Chemistry		chemistry.	•To name the	showing		meaning of	
e in daily	in daily	•		ION			<ul> <li>To guide students</li> </ul>	substance made by	different		chemistry.	
life.	life.			TO			to	applying chemical	chemical		• To	
				CHE			discuss how materials and	methods.	activities &		mention	
				MIS			objects are made by		industrial		any other	
				TRY			application of chemistry		chemical		four	
							e.g. soap, petrol, ethanol		process.		objects	
							etc.		Detergents,		made by	
									soft, drinks		application	
									medicine		of	
									etc.		chemistry.	
											• In	
											groups	
											to mention	
											area where	
											chemistry is	
											applied.	
											' '	

					2.		To guide students	<ul> <li>To mention area</li> </ul>	• Wall			
					The		to	where chemistry is	charts &			
					importanc		discuss how chemistry is	applied.	pictures of			
					e of	2	applied in industrial and	<ul><li>To state the</li></ul>	industrials,			
					chemistry		at home.	importance of	chemical			
					in life.		<ul> <li>To guide students</li> </ul>	chemistry in daily	hospital,			
							to	life, by giving	pharmacy,			
							discuss the importance of	examples.	domestic,			
							chemistry in daily life by		kitchen,			
							giving examples on		fertilizer,			
							production of drugs and		insect			
							medicine, soap fertilizer		sides, hard			
							and alcohol.		drinks.			
COMPE	GENERA	М	W	MAI		P				REFE		
TENCE	L	0	E	N	SUB-TOP	E		LEARNING	T/L	RENC	ASSESSM	
	OBJECTI	N	E	TOPI	IC	R	TEACHING ACTIVITIES	ACTIVITIES	MATERIA	ES	ENT	REMARKS
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			4	2.			i) To guide students to	i) To prepare a list of	-Chemistry	i)	– To	
Workin	Carryin		&	LABO			, ,	' ' '	laboratory	Chem	mention	
g safely	g out		1	RATO RY			discuss every laboratory	ten safety rules in	manual.	istry	and	
in a	chemist			TECH			rule and establish its	chemistry	–Wall	for		
chemist	ry			NIQU			importance.	laboratory.	charts of	secon	explain the	
ry	activitie			ESE AND			ii)To guide students to	ii\To ovolain the	written	dary	safety	
laborat	s safely			SAFET			ii) to guide students to	ii)To explain the	laboratory	schoo	measure	
ory.	and efficient			Υ			discuss the laboratory	safety measure to a	rules.	ls,	needed to	
	ly.						safety measures.	chemistry		form	avoid accidents	
	٠,٠							laboratory.	-Wall	1&2,	in	
									charts	Oxfor d. ii)	chemistry	
									showing	a. 11) O-lev	laboratory.	
									safety	el	<i>'</i>	
									measure	CHE		
		_			1.				for a	MIST		
		F E			Rules and				chemistry	RY		
		В							laboratory	Form		
		R			safety	١,				2,		
		U			precaution	4				BEN.		
		Α			s in					iii)		
		R Y			chemistry					O-lev		
		Y			laboratory.					el		
										CHE		
										MIST		
										RY		
										Form		
										2 Intera		
										ctive		
										CD,		
										BEN.		
										iv)Yo		
										u		
										tube(		
										for		
										video		
										clips)		

					2. First aid and first aid kit.	4	i) To guide students to discuss activities which are likely to accidents in a chemistry laboratory. ii) To guide students to name every item found in a first aid kit. iii) To guide students to stimulate a mock use of each item in a first aid kit.	i) To identify  possible causes of accidents in chemistry laboratory. ii) To name the items found in a first aid kit. iii) To demonstrate how each first aid kit item is used. iv) To use the first aid kit to provide first aid to an accident victim.	-Wall chart pictures showing possible laboratory accidentsFirst aid kit containin g all of its items.		<ul> <li>How</li> <li>many</li> <li>possible</li> <li>causes of</li> <li>accidents I</li> <li>a chemistry</li> <li>laboratory.</li> <li>Name all</li> <li>The items</li> <li>found in a</li> <li>first aid kit.</li> <li>Demonst</li> <li>rate how</li> <li>you can</li> <li>provide</li> <li>First aid.</li> </ul>	
COMPE TENCE	GENERA L OBJECTI VES	M O N T H	W E E K	MAI N TOPI C	SUB-TOP IC	P E R I O		LEARNING ACTIVITIES	T/L MATERIA S	REFE RENC ES	ASSESSM ENT	REMARKS

CON	MPE	GENERA	М	W	MAI		Р				REFE		
TEN	NCE	L	0	Ε	N	SUB-TOP	E		LEARNING	T/L	RENC	ASSESSM	
		OBJECTI	N	Ε	TOPI	IC	R	TEACHING ACTIVITIES	ACTIVITIES	MATERIA	ES	ENT	REMARKS
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							D						
							S						

Treatin To g and purifyin and use g water water with environ consermental conside ration. To purify ration.	, , E	2	4. Warning signs	6	draw a simple diagram of the following warning signs;  Toxic Harmful Irritant Explosive Corrosive Oxidant ii) To guide students to discuss the meaning of different warning signs.	i) To draw and label the basic chemistry warning signs. ii) To explain the meaning of different warning signs.	<ul> <li>Oxidant</li> <li>KMnO<sub>4</sub>,</li> <li>H<sub>2</sub>O<sub>2</sub>,</li> <li>Irritant;</li> <li>H<sub>2</sub>SO<sub>4</sub></li> <li>Explosive</li> <li>Corrosive</li> <li>; H<sub>2</sub>SO<sub>4</sub></li> </ul>	i) Che mistr y for seco ndar y scho ols, form 1&2, Oxfo rd. ii) O-lev el	Draw and label the basic chemistry warning signs.	
	B 2 R U A R Y	3. HEAT SOURC ES AND FLAME S	1. Heat sources	4	To discuss with students about how to use the following heat sources in a chemistry laboratory;  - candle  - spirit burner  - corrosive burner (kibatari)  - charcoal burner  ii) To discuss with students about how Bunsen burner works.	i) To discuss with teacher about how to use the heat sources in a chemistry laboratory. To explain how a Bunsen burner works.	<ul> <li>Candle</li> <li>Spirit</li> <li>burner</li> <li>Kerosene</li> <li>burner</li> <li>(kibatari)</li> <li>Charcoal</li> <li>burner</li> <li>Bunsen</li> <li>burner</li> </ul>	eI CHE MIST RY Form 2, BEN.	- Identify  different kind of heat sources that can be used in chemistry laboratory.  • Exp lain the working function of a Bunsen burner.	

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										iii)		
										O-lev		
										el		
										CHE		
										MIST		
										RY		
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										2		
										Inter		
										activ		
										e CD,		
										BEN.		
										iv)Yo		
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										vide		
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										clips)		
COMPE	GENERA	М	W	MAI		Р				REFE		
TENCE	L	0	E	N	SUB-TOP	Ε		LEARNING	T/L	RENC	ASSESSM	
	OBJECTI	N	E	TOPI	IC	R	TEACHING ACTIVITIES	ACTIVITIES	MATERIA	ES	ENT	REMARKS
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Applyin g the scientifi c proced ures in carryin g out investig ations in chemist ry	F E B R U A R Y	3		2. Types of flames	0 4	i) To guide students to  use different types of burners to produce luminous and non-luminous flames. ii) To guide students to  discuss how different flames are used.  • flame test of elements  • production of light  • production of heat	i) To produce luminous and non-luminous flames from different fuel burns.  ii) To state the uses of different types of flames.	<ul> <li>Spirit burner</li> <li>Kerosen e burner (kibatari)</li> <li>Charcoal burner</li> <li>Bunsen burner</li> <li>Kerosen e fuel</li> </ul>	- Produce luminous and non-lumin ous flames from different burners.	
		4	4. THE SCIENT IFIC PROCE DURES	1. Significance of the scientific procedures.	0 2	i) To guide students to  discuss about the measuring of the scientific procedures. ii) To discuss with  students about how the scientific procedures are used in carrying out systematic investigations.	To explain the concept of scientific procedure.	<ul> <li>Wall</li> <li>charts</li> <li>showing</li> <li>the steps</li> <li>of</li> <li>scientific</li> <li>procedure</li> <li>s.</li> <li>Picture</li> <li>of</li> <li>chemists</li> <li>working in</li> <li>laboratory</li> </ul>	- Explain the concept of chemists Explain the importance of scientific procedures.	

CON	MPE	GENERA	М	W	MAI		Р				REFE		
TEN	NCE	L	0	Ε	N	SUB-TOP	E		LEARNING	T/L	RENC	ASSESSM	
		OBJECTI	N	Ε	TOPI	IC	R	TEACHING ACTIVITIES	ACTIVITIES	MATERIA	ES	ENT	REMARKS
		VES	Т	К	С		1			S			
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 				SCHEME OF WO	<u> </u>		 	
				i) To discuss with	<ul> <li>To describe</li> </ul>	- Wall	– Describe	
				students about the following steps of scientific procedures;   Observation of the	each step of scientific procedures.	charts showing the steps of scientific procedures.	each step of scientific procedures.	
				scientific phenomena.  • Statement of the				
				problem. • Formation of				
		2.		hypothesis.  • Observation and				
		The main steps of scientific	0	collection of data.  • Data analysis and				
		procedures.		interpretation.  • Making inference and				
				conclusion.				

COMPE TENCE	GENERA L OBJECTI VES	M O N T	W E E K	MAI N TOPI C	SUB-TOP IC	P E R I	TEACHING ACTIVITIES	LEARNING ACTIVITIES	T/L MATERIA S	REFE RENC ES	ASSESSM ENT	REMARKS
Dealing with nature and propert ies of matter.	Explaini ng the nature and properti es of matter.		1		3. Applicatio n of the scientific procedure s.	D S	To supervise the students' projects.	To apply the scientific procedure in carrying out a project on a chemistry problem.		i) Chemist ry for seconda ry schools, form1& 2, Oxford.	Apply the scientific procedure in carrying out a project on a chemistry investigatio n.	
		A P R I L	2 - 5	5. MATTE R	1. Concept of matter.	2	To guide students to discuss the meaning and definition of matter.	To explain the concept of matter.	Solid, liquid and gases.	ii) O-level CHEMIS TRY Form 2, BEN.  iii) O-level CHEMIS TRY Form 2 Interacti ve CD, BEN.  iv)You tube( for video clips)	Explain the meaning of matter with examples.	

					2. States of matter.		i) To guide students to apply the kinetic nature of matter to explain the existence of matter in three states; solids, liquids and gases. ii) To guide students to demonstrate the change of matter from one state to another. iii) To discuss with students the advantages of changing one state of matter to another. Distillation to form pure components of a mixture.  Evaporation of dry things. formation of ice in refrigerator iv) Melting of metal to form alloy.	i) To describe the three states of matter. ii) To explain the importance of changing one state of matter to another.			Demonstrat e how you can change one state of matter to another and explain their importance .	
COMPE TENCE	GENERA L OBJECTI VES	M O N T H	W E E K	MAI N TOPI C	SUB-TOP IC	P E R I O D	TEACHING ACTIVITIES	LEARNING ACTIVITIES	T/L MATERIA S	REFE RENC ES	ASSESSM ENT	REMARKS

	 				SCHEME OF WO	JRK			
					i) To discuss with	i) To describe the	-sugar	– Describe	
Differe							-table	characte	ri
ntiate					students about the	characteristics of		stics of	
physica					meaning and	physical change.	salt	physical	
I from					characteristics of physical	ii) To communit	-heat	change.	
chemic					change. ii) To guide students to	ii) To carry out	source	– Describe	
al					ii) To guide students to	experiments on	-kettle	the	
					carry out experiments on	physical changes of	-chalk	characte	ri
propert					physical change, to	matter.	-pestle		"
ies of					include;		and	stics of	
matter.					<ul><li>melting of ice</li></ul>	iii) To describe the	mortal	chemical	
					<ul><li>boiling of water</li></ul>		-magnet	changes.	
					<ul><li>condensation of steam</li></ul>	characteristics of	-solid	•	
					<ul> <li>formation of ice</li> </ul>	chemical changes.	iodine		
			2. Physical		<ul><li>magnetization of iron</li></ul>	iv) To carry out	-water		
			and	1	<ul><li>sublimation of solid</li></ul>	IV) TO Carry out	-ice		
			chemical changes.	2		experiments on	-Pb(NO3)		
			Changes.		iodine	chemical changes.	solution,		
					<ul><li>grinding of chalk</li></ul>		CuSO4		
					<ul><li>dissolving sugar or salt</li></ul>				
							solution,		
					in water		Zn metal,		
					• evaporation		CuCO3,		
					iii) To guide students to		-Acids		
					carry out the following		-candle		
					chemical changes;		-Aluminiu		
					decomposition of solid		m foil		
					carbonate		-Magnesi		
					Carbonate		um		
					<ul> <li>burning of any</li> </ul>		ribbon		
					fuel				
		3 <sup>rd</sup>		1					
						MIDTERM TES	STS		

				4 <sup>th</sup>				MIDTERM BRE	AK				
COMPE TENCE	GENERA L OBJECTI VES	M O N T H	W E E K	MAI N TOPI C	SUB-TOP IC	P E R I O	TEACHING ACTIVITIES	LEARNING ACTIVITIES	ı	/L MATERIA	REFE RENC ES	ASSESSM ENT	REMARKS
		A P R I L	1		4. Elements and symbols.	6	i) To guide students to  discuss the meaning of an element as compared to other substances.  ii) To discuss with  students on how to use alphabetical letters and their combinations to form the symbols of elements.  iii) To guide students on how to use the periodic table to differentiate metals from non-metals.	i) To explain the  meaning of element. ii) To assign names and symbols to;  — Monoatomic elements. eg: Al, K, etc.  — Polyatomic elements; O <sub>2</sub> , Cl <sub>2</sub> , N <sub>2</sub> .  — Special elements  which carry Latin names; Na, Fe, Ag, etc iii) To assign names and symbols to chemical compounds. iv) To differentiate  metals elements from non-metals.		Copper sodium zinc Alumini um iron sulphur hydroge n periodic table.		- With examples explain the meaning of element Assign names and symbols to different elements.	

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			2				<ul><li>i) Leading students to</li></ul>	i) Discussing the	Wall charts		i) Ability	
									showing			
							discuss the impossibility of	impossibility of	energy		to explain	
							destroying or creating	destroying or creating	change,		the law of	
							energy.	energy.(law of	voltaic cell,		conservatio	
								conservation of	electric cell,		n of energy.	
							ii) Guiding students to	energy)	bar magnets,			
					5.				iron fillings,		ii) Ability	
					Compound	0	perform experiments on the	ii) Performing	water,			
					s and	9	conservation of energy from	experiments on the	source of		to	
					mixtures.		one form to another and to	conservation of	heat, Cu foil,		performing	
							discuss the results obtained.	energy from one	H <sub>2</sub> SO <sub>4</sub> (1M),		experiments	
								= -	lamp bulb,		on the	
								form to another	beaker, Mg		conservatio	
								and to discuss the	ribbon,		n of energy	
								results.	Abrasive		from one	
									paper, Fe		form to	
									fillings.		another.	
COMPE	GENERA	M	W	MAI		P				REFE		
	GENERA L		"		SUB-TOP	P E		LEARNING	T/L		ASSESSM	
COMPE TENCE	L	0	E	N	SUB-TOP	E	TFACHING ACTIVITIES	LEARNING ACTIVITIES	T/L MATERIA	RENC	ASSESSM FNT	RFMARKS
	L OBJECTI	O N	E	N TOPI	SUB-TOP IC	P E R	TEACHING ACTIVITIES	LEARNING ACTIVITIES	MATERIA		ASSESSM ENT	REMARKS
	L	O N T	E	N		E R	TEACHING ACTIVITIES		I -	RENC		REMARKS
	L OBJECTI	O N	E	N TOPI		E	TEACHING ACTIVITIES		MATERIA	RENC		REMARKS
	L OBJECTI	O N T	E	N TOPI		E R	TEACHING ACTIVITIES		MATERIA	RENC		REMARKS
	L OBJECTI	O N T	E	N TOPI		E R I	TEACHING ACTIVITIES		MATERIA	RENC		REMARKS
	L OBJECTI	O N T H	E	N TOPI		E R I O		ACTIVITIES	MATERIA	RENC	ENT	REMARKS
	L OBJECTI	O N T H	E	N TOPI		E R I O	To guide students	•To explain the	MATERIA S	RENC	<b>ENT</b> ● De	REMARKS
	L OBJECTI	O N T H	E E K	N TOPI		E R I O	To guide students to demonstrate the	●To explain the importance of	MATERIA S	RENC	• De monstrate	REMARKS
	L OBJECTI	O N T H	E E K	N TOPI		E R I O	To guide students	●To explain the importance of changing one state	MATERIA S	RENC	De monstrate how you	REMARKS
	L OBJECTI	O N T H	E E K	N TOPI		E R I O	To guide students to demonstrate the	●To explain the importance of changing one state of matter to	MATERIA S	RENC	De monstrate how you can	REMARKS
	L OBJECTI	O N T H	E E K	N TOPI		E R I O	To guide students to demonstrate the changes of mater from	●To explain the importance of changing one state	MATERIA S	RENC	De monstrate how you can change	REMARKS
	L OBJECTI	O N T H	E E K	N TOPI		E R I O	To guide students to demonstrate the changes of mater from	●To explain the importance of changing one state of matter to	MATERIA S	RENC	De monstrate how you can change one state	REMARKS
	L OBJECTI	O N T H	E E K	N TOPI		E R I O	To guide students to demonstrate the changes of mater from	●To explain the importance of changing one state of matter to	MATERIA S	RENC	• De monstrate how you can change one state to another	REMARKS
	L OBJECTI	O N T H	E E K	N TOPI		E R I O	To guide students to demonstrate the changes of mater from	●To explain the importance of changing one state of matter to	MATERIA S	RENC	De monstrate how you can change one state	REMARKS
	L OBJECTI	O N T H	E E K	N TOPI		E R I O	To guide students to demonstrate the changes of mater from	●To explain the importance of changing one state of matter to	MATERIA S	RENC	• De monstrate how you can change one state to another	REMARKS
	L OBJECTI	O N T H	E E K	N TOPI		E R I O	To guide students to demonstrate the changes of mater from	●To explain the importance of changing one state of matter to	MATERIA S	RENC	De monstrate how you can change	REMARKS
	L OBJECTI	O N T H		E E K	E N E TOPI K C	E N SUB-TOP E TOPI IC K C	E N SUB-TOP E E TOPI IC R K C I O D S	E N SUB-TOP E TOPI IC R TEACHING ACTIVITIES  K C I O D S  To guide students to demonstrate the changes of mater from	E N SUB-TOP E TOPI IC R TEACHING ACTIVITIES  K C I O D S  To guide students to demonstrate the changes of mater from one state to another.  LEARNING ACTIVITIES  • To guide students importance of changing one state of matter to	E N SUB-TOP E TOPI IC R TEACHING ACTIVITIES ACTIVITIES MATERIA S  TO D S  To guide students to demonstrate the changes of matter from one state to another.	E N SUB-TOP E TOPI IC R TEACHING ACTIVITIES ACTIVITIES ACTIVITIES S  TOPI IC S TOPI IC S TEACHING ACTIVITIES S  TOPI IC S TEACHING A	E TOPI IC R TEACHING ACTIVITIES ACTIVITIES ACTIVITIES S TEACHING ACTIVITIES ACTIVITIES S TO ENT  5 TO guide students to demonstrate the changes of mater from one state to another.  • To explain the importance of changing one state of matter to another.  • To explain the importance of changing one state of matter to another.

	Differen tiate physical from chemic al properti es of matter.	M A Y	3		3. Physical and chemical changes.	1 2	students about the meaning and characteristics of physical change.  To guide student to carry out the experiments on physical change and to include	<ul> <li>To describe the characteristics of a physical change.</li> <li>To carry out experiments on physical changes of matter.</li> </ul>	<ul> <li>Sugar</li> <li>Table salt</li> <li>Heat source</li> <li>Kettle</li> <li>Chalk</li> <li>Pesth and mortar</li> <li>Magnet</li> </ul>		• Des cribe the characteri stics of physical change.	
							experiments on physical		mortar			
COMPE TENCE	GENERA L OBJECTI VES	M O N T H	K	N	SUB-TOP IC	P E R I O D S	TEACHING ACTIVITIES	LEARNING ACTIVITIES	T/L MATERIA S	REFE RENC ES	ASSESSM ENT	REMARKS

 					SCHEME OF WO	JKK			
					<ul> <li>Magnetization of</li> </ul>		• Water	• Des	
					iron		● Ice	cribe the	
					<ul> <li>Sublimation of</li> </ul>		● Pb(No₃)so	characteri	
					solid iodine		lution	stics of	
					<ul> <li>Grinding of chalk</li> </ul>		● Cuso₄	chemical	
					<ul> <li>Dissolving sugar</li> </ul>		solution	change.	
					or salt in water		● Zu metal		
					<ul> <li>Evaporation</li> </ul>	<ul> <li>To describe the</li> </ul>	● CaCo <sub>3</sub>		
					<ul> <li>To guide students</li> </ul>	characteristics of	<ul><li>Candle</li></ul>		
					to carry out the	chemical change.	• Aluminiu		
					following chemical	●To carry out	m foil		
					changes	experiments on	Magnesiu		
					-Decomposition of solid	chemical change.	m ribbon		
					carbonate	-	• Acids.		
					-Burning of and fuel				
r				1-	06- 2013 – TERMINAL E			r	
			4.		<ul> <li>To guide students</li> </ul>	■ To explain the	•	• Wit	
			Elements		to discuss the meaning	meaning of elements.		h example	
	J	4	and	6	of an element as	<ul><li>To assign names and symbols to</li></ul>		explain	
	U	-	Symbols		compared to other	- Mono atomic		the	
	L	5			substances.	elements e.g Al, K, Na,		meaning	
	Υ					Cu, pb etc.		of	
						● Polyatomic		element.	
						elements e.g O <sub>2</sub> , Cl <sub>3</sub> ,			
						N <sub>2</sub> , S <sub>8</sub> , P <sub>4</sub>			
						Special elements			
						K, Na, Fe, Ag, An, Hg,			
						Pb, Sn, Sb, Cu which			
I	1	1		l		carry latin names	l l	1	

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СОМРЕ	GENERA	M	ו" ו	MAI		P			_ •-	REFE		
TENCE	L	0	E	N	SUB-TOP	E		LEARNING	T/L	RENC	ASSESSM	
	OBJECTI	N	E	TOPI	IC	R	TEACHING ACTIVITIES	ACTIVITIES	MATERIA	ES	ENT	REMARKS
	VES	Т	K	С					S			
		Н				0						
						D						
						S						
							<ul> <li>To discuss with</li> </ul>	<ul><li>To assign names</li></ul>			• Ass	
							students	had symbols to			ign	
							on how to use alpha be	chemical elements.	0		names and	
							trial letters and their				symbols to	
							combinations to form the				differentiat	
							symbols of elements.				e element.	
							<ul> <li>To guide students</li> </ul>	■To differentiate			• Exp	
							on	metals elements and			lain	
							how to use the periodic	non-metals			the	
							table to differentiate	elements.	0		meaning	
							metals elements from				and give	
							non-metals elements.				example of	
											compounds	
											and	
Applying a											mixtures.	
different		AU	1		5.	9	To guide students	■To differentiate			•	
methods		G	_		Compoun		to	between				
to		US	3		ds and		discuss the differences	compounds and				
separate		Т			mixtures.		between compounds and	mixtures by	0			
mixtures					illixtules.		•	·				
into pure							mixtures by referring to	referring to their				
compone							their characteristics	characteristics				
nts.							properties.	properties.				

							To guide students	●To prepare a binary			• Pre	
							to	compound.			pare	
							prepare binary compound		"		bring using	
							such as iron II sulphide				Fe and	
							(Fes) from a mixture of				Sulphur	
							solid iron fillings and				powder.	
							awarded sulphur by					
							heating.					
СОМРЕ	GENERA	М	٧	MAI		Р				REFE		
TENCE	L	0	E	N	SUB-TOP	E		LEARNING	T/L	RENC	ASSESSM	
	OBJECTI	N	E	TOPI	IC	R	TEACHING ACTIVITIES	ACTIVITIES	MATERIA	ES	ENT	REMARKS
	VES	Т	К	С		1			S			
		н				0						
						D						
						S						

		1	1		JCHEWE OF WC		1		
					To discuss with	<ul><li>To compare the</li></ul>		• Co	
					students about the	properties of a		mpare	
					properties of compounds	compound with those		the	
					in compassion to the	of its constituents	"	properties of	
					properties of its constitute	elements.		compound	
					elements.			with those	
								of its	
								constituent	
								element.	
					To discuss with	<ul><li>To explain the</li></ul>			
					students	meaning of mixture			
					the meaning of mixtures and	with example.			
					its examples.				
	AU				To discuss with	<ul><li>To classify</li></ul>		• Clar	
	G				students	mixtures into		ify a	
	US				about properties of	solutions,		mixtures	
	T				solutions suspension, and	suspensions, and	0	into	
					emulsions.	emulsions.		solutions,	
								suspensions	
								an	
		4						emulsions.	
	S	<b>1</b> -	5.	1	To discuss with	●To carry out the	Colour	•	
	E	5	Separation	2	students	different methods	flower		
	Р		of mixture		about the procedures for	used to separate	• Kerosene		
	Т		Ormixture		carrying out the following	mixture.	• Water		
	E	2			separation	illixture.	Black ink		
	М	-			Decantation		• Ethanol		
	В	3			Filtration		iodine		
	E				Evaporation		Crystal sugar		
	R				Simple distillation		clay soil		
					Fractural distillation		• Toluene		
					<ul> <li>sublimation</li> </ul>		Filter paper		
					<ul> <li>Chromatography</li> </ul>		• Heat		
					Layer separation		Source		
					Solvent extractric		Funnel;		
							<u> </u>		
L			 		l				

	1				1	_	SCHEIVIE OF WC	1	1		1	
COMPE	GENERA	М	W	MAI		P				REFE		
TENCE	L	0	E	N	SUB-TOP	E		LEARNING	T/L	RENC	ASSESSM	
	OBJECTI	N	E	TOPI	IC	R	TEACHING ACTIVITIES	ACTIVITIES	MATERIA	ES	ENT	REMARKS
	VES	Т	к	С		ı			s			
		Н				lo						
						D						
						S						
							To guide students	•To ovalain the	•		• To	
							to discuss the importance	●To explain the	•			
							of obtaining separate	significance of			explain	
							= :	separating			common	
							components of the	different mixtures.			methods of	
							mixtures.				separating	
											mixture.	
	1	l	<u> </u>						1			
							MID – TERM EXAMI	NATION				
				AIR	1.		To guide students	●To name the gases	• Walls		• Na	
				CO	Compositi		to discuss the	present in air and	/Charts		mes	
				MB	on of air.		proportions of different	their proportions.	showing		the gases	
				USTI			gases in air.		compositio		present in	
		OC		ON,			0		n of air.		air and	
		TO		RUS							their	
		В		TIN								
		E									proportion.	
		R	2	G								
				AND		2						
				FIRE								
				FIG								
				HTG								
				ING								
		1		UNG		1						

							<ul> <li>To facilitate students to demonstrate the presence of the following gases in air.         <ul> <li>Carbon dioxide</li> <li>Oxygen</li> </ul> </li> <li>To facilitate student to carry out an experiment to determine the percentage of oxygen in air.</li> </ul>	●To demonstrate the presence of different gases in air.  ●To determine the percentage of oxygen in air experimentally.	<ul> <li>Line write</li> <li>Phosphor us</li> <li>Bell jar</li> <li>Water</li> <li>Trough</li> <li>Candle</li> </ul>		<ul> <li>Car         ry out         experiment         to         demonstrat         e the         presence of         oxygen in         air.</li></ul>	
COMPE TENCE	GENERA L OBJECTI VES	M O N T H	W E E K	MAI N TOPI C	SUB-TOP IC	P E R I O	TEACHING ACTIVITIES	LEARNING ACTIVITIES	T/L MATERIA S	REFE RENC ES	ASSESSM ENT	REMARKS
			3	2. CO MB USTI ON		3	• To discuss with students the meaning and significance of combustion in real life.	•To explain the meaning of combustion and their significance in real life.	Piece Of Paper Candle Charcoal Kerosene Spirit.		• Expl ain the meaning of combustion?	

			4 - 5		3. Fire fighting	6	<ul> <li>To guide students to determine the product of complete combustion of the following substance in air.</li> <li>Kerosene, charcoal, paper</li> <li>Candle, spirit</li> <li>To discuss with student the application of combustion in real life for explain to mobile</li> <li>Burners to get heat and light.</li> <li>To discuss with students about the fire caused by</li> <li>Petroleum products</li> <li>Electricity</li> <li>Wood and charcoal</li> <li>Paper.</li> <li>To discuss with students about the reasons why specific types of fires should be extinguished by specific types of fire extinguisher.</li> </ul>	■ To demonstrate the combustion of different substances in air and analyse the products.  ■ To describe of application of combustion if real life.  ■ To classify the types of fires according to their causes.  ■ To identify different types of fire extinguishers used different types of fire.	<ul> <li>Kerosene</li> <li>Spirit</li> <li>Paper</li> <li>Charcoal</li> <li>Match</li> <li>box</li> <li>Sand</li> <li>bucket</li> <li>Waterless</li> <li>Foam fire</li> <li>extinguisher</li> <li>Soda acid</li> <li>Fire</li> </ul>		<ul> <li>Ana         lyse         the product         obtained         when         different         substance         burned in         air.</li></ul>	
COMPE TENCE	GENERA L OBJECTI VES	M O N T	W E E	ТОРІ	SUB-TOP	P E R	TEACHING ACTIVITIES	LEARNING ACTIVITIES	extinguisher.  T/L  MATERIA  S	REFE RENC ES	ASSESSM ENT	REMARKS
	VLJ	н	K			O D S			3			

 	SCHEIVIE OF WC	NK				
	<ul> <li>To lead discussion about the parts played by fuel and oxygen in a fire.</li> </ul>	•To state the components needed to start fire.				
	• To discuss with students about the classification of fire extinguishers into:  Soda – acid type  Foam type  Water types  Blanket types.	•To classify extinguishers according to the chemicals they contain.	<ul> <li>Asbestos</li> <li>Blanket</li> <li>Soda-acid</li> <li>Fire</li> <li>extinguisher</li> <li>Foam fire</li> <li>Extinguisher.</li> <li>Sand</li> <li>bucket.</li> </ul>	che pre dif	Sta e the emical esent in ferent inguisher.	
	• To guide students to prepare a small fire carefully e.g. Burning a small paper or a candle, and extinguish it.	●To prepare a small fire extinguisher of the soda-acid types and use to extinguish a small fire.				

COMPE	GENERA	М	W	MAI		Р				REFE		
TENCE	L	0	Ε	N	SUB-TOP	E		LEARNING	T/L	RENC	ASSESSM	
	OBJECTI	N	Ε	TOPI	IC	R	TEACHING ACTIVITIES	ACTIVITIES	MATERIA	ES	ENT	REMARKS
	VES	Т	К	С		ı			S			
		Н				0						
						D						
						S						
		N	1		4.		<ul> <li>To discuss with</li> </ul>	•To explain the	● Iron filing		● Exp	
		OV	&		Rusting		students	concept of rusting.	• Steel/wool		lain	
		E	2				about the meaning of		• water		with	
		М					rusting and economic		● cotton		example	
		В				6	importance.		● mol		the	
		E R					•		<ul><li>Grease</li></ul>		meaning of	
		IX.					To guide students	●To demonstrate	● Petroleu		rusting.	
							to	the erudition	m		• Car	
							design an experiment to	necessary for iron to	● Jelly		ry out	
							demonstrate the	rust.	• Heat		Experiment	
								Tust.	• Source		to	
							eruditions necessary for		● Mg		demonstrat	
							iron to rust.		ribbon			
									• HCl		e condition	
							Summarize and	●To carry out			necessary	
							discuss	experiments on	solution		for rusting.	
							the experimental findings.	different methods of				
								preventing iron from				
								rusting.				

ANNUAL EXAMINATIONS.