توجيه عام العلوم لغات بالقليوبية

primary Four

**Science Plan 20....../20.....** 

First Term

<b>Domains</b>	<b>Learning out comes</b>	Contents	Strategies	Activities	Assessments	Evidence
	-Model the relation-	*Unit One	-Brain storming	-Carry out	-Oral	-Teacher
- Living	ships among living		-Discovery	activities to	questions	notes
systems	organism's survival	Living	•	differentiate		-Student
	habitat adaptation.	systems	Experimentation	between (S	-Written	notes -Lab.
	-Argue from evidence		-Back in Back ?		questions	notes
	that plants and		-learning games	adaptations		-Work
	animals have	*Chapter	-Silent videos	-Design	-Exercises	sheets
Adaptation	structures &	One	-Shellt videos	models of		-Albums
	behaviors that help	aluiou	-One minute	digestive	-Observing	-Models of
	them to survive and	Adaptation	- 4-2-1	system and	cards	systems -cards
	animals have structures & behaviors that help them to survive and grow.  - Differentiate maperior between structural and behavioral	W &	-Technology	respiratory		Activities of
	- Differentiate insp	survivai	Caidennet	system.	-Work sheet	students
	between structural		-Spider net	-Record		
	and behavioral		-Role play	evidence	-Quiz	
	adaptation		 	about		
	-Design a model of			differences		
	respiratory system			in living		
	and digestive system.			organisms		

توجيه عام العلوم لغات بالقليوبية

**Primary Four** 

**Science Plan 20....../20......** 

First Term

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
	-Mention the five senses	*Unit One	-Brain storming	-Design a	-Oral	-Teacher
- Living systems	<ul><li>and their organs.</li><li>-Deduce the role of brain</li></ul>	Living	-Discovery	model of nervous 😜	questions	notes -Student
systems	in treatment and translate information.	systems	Experimentation		-Written	notes
- super	-Conclude the super- senses of animals.	*Chapter	-Solve problems .	videos about	questions	-Lab. notes
senses & nocturnal	-Explain how nocturnal animals depend on super sensesRelate between cane of blind persons and the echolocationIdentify the different ways of communication among living expanismsShare in work groups	Two	-Silent videos	senses of some	-Exercises	-Work sheets
animals.	sensesRelate between cane of	Senses at obi	Andividual learning	animals.	-Observing	-Albums
-Communications	blind persons and the	works at	- learning games	activities that shows usage	cards	
	-Identify the different special	(O)	-T.P. S	of different	-Work sheet	
	among living expanisms.		-Bingo	ways of communicati	-Quiz	
	-Share in work groups with his classmates			living	-observing cards	
				organisms.		

توجيه عام العلوم لغات بالقليوبية

**Primary Four** 

**Science Plan 20....../20.....** 

First Term

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
-Living	-Illustrate the	*Unit One	-Brain storming	-Carry out	-Oral	-Teacher
systems	importance of light	Living	-Discovery	activities to	questions	notes
	energy experimentally	systems	•	differentiate		-Student
	-Differentiate between		Experimentation	between	-Written	notes
-Light	transparent and opaque	*Chapter	-Solve problems	transparent	questions	-Lab.
energy	materials.	Three	-Peer learning	and opaque		notes
	-Use a mirror to show light reflection.			materials	-Exercises	-Work
	- Explain the role of		-Silent videos	experimentally.		sheets
	sight property to	0	-Individual learning ?	-Use a mirror to conclude	-Observing	-Albums
	communicate in some	&Sight	-Learning games	the light	cards	-Mirrors
-Special	living organisms as fire			reflection		
Eye	fly beetles.		-Technology	phenomenon.	-Work sheet	
structure	-Design the own code to	iobia	-Down hands	•		
of some	communicate with his	. a Qaltir	-Role playing		-Quiz	
organisms	Classmates.  Montion different	te iii	Tiest projetty		-M. C. Q	
	sources of light species					
	surrounded hime					
	Scien					
	-Design the own code to communicate with his classmates.  Mention different sources of light surrounded himse his pectors					

توجيه عام العلوم لغات بالقليوبية

Primary Four

**Science Plan 20....../20.....** 

First Term

Domains	Learning out comes	Contents	Strategies	Activițies	Assessments	Evidence
	-Analyze data to	*Unit two	-Brain storming	-Design a	-Oral	-Teacher
- Matter &	explain different		-Discovery	ngo del of toy	questions	notes
Energy	causes of change	Matter &	ر مارید	car. -Carry out		-Student
	motion.	Luergy	Experimentation	activities to	-Written	notes
- Force	-Cite evidence to		-Solve problems	differentiate	questions	-Lab.
	show speed is related to energy.  -Differentiate between pushing & pulling forcesDistinguish between friction force & force of inertia.	ali	-Solve problems Tag & war	between		notes
	to energy.	*Chapter	-Silent videos	forces of	-Exercises	-Work
-Motion	-Differentiate	One One	-Shelit videos	motion		sheets
	between pushing & w	spec	-Jigsaw	&stopping.	-observing	-
	pulling forces.	Starting	- 4-corners	-Carry out activities	cards	Observing
	-Distinguish between	and	-Technology	show the		cards
	friction force & force	stopping	- recimology	force of	-Work sheet	-student
	of inertia.		-pop corn	inertia.		book
	-Discuss with		-Bowling balls	-Watch	-Quiz	
	classmates the			videos about		
	relation between			jet engine.	-M. C. Q	
	work, force& energy.					

توجيه عام العلوم لغات بالقليوبية

**Primary Four** 

**Science Plan 20...../20......** 

First Term

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
-Force &	-Identify some forms of	*Unit two	-Brain storming	- Carry out	-Oral	-Teacher
Energy	energy as (M.E, P.E,	Force &	-Discovery	activities;	questions	notes
	K.E)	Energy	•	about **	_	-Student
	- Use simple tools and toys about energy		Experimentation	forms of	-Written	notes
-Motion	transformation.		-Role play	P.E &K. E	questions	-Lab.
	-Differentiate between		-Back in back		_	notes
	(K.E&P. E)	*Chapter		-Design A	-Exercises	-Work
-M.E	-Value the role of science	Two	-Silent videos	model of		sheets
	to Enrichment our life.	Two Energy &	-Individual learning	toy show	-Role play A	-Albums
	-Deduce the factors that	Energy &	- Hand in hand	energy	play	-Toy car
	different forms of	Motion	T.	transformation		-Observing cards
	kinetic energy and			in it.	-Work sheet	
	on.		-Envelope please			
	potential energy depend on. Science -Explain the law of				-M. C. Q	
	conservation of energy.					

توجيه عام العلوم لغات بالقليوبية

primary Four

**Science Plan 20...../20......** 

First Term

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
	-Mention the concept	*Unit two	-Brain storming	-Carry out	-Oral	-Teacher
- Force	of collision.		-Discovery	activities to	questions	notes
	-Watching videos	Force&	•	deduce the		-Student
	show the effect of	Energy	Experimentation	effect of	-Written	notes
	speed and mass of		-Solve problems	mass &	questions	-Lab.
-Energy	objects on collision.		-Peer learning	speed on		notes
	-Solve problems		$\sim$ ,	collision.	-Exercises	-Work
	about collision.		-Silent videos			sheets
	-Collect data from	Three	-Individual learning	-Watching	-M. C. Q	-Albums
	different sources		- 4-2-1	videos		-Cards
	about safety	Energy Coil Collision orate	•	about	-Work sheet	
-Collision	precautions of car.	Collision	-Technology	collision		
	-Relate between	orate in	-Learning games	and write	-Quiz	
	collision, force, speed,		-Dice stone	notes.		
	mass and kinetic					
	energy. Science					

توجيه عام العلوم لغات بالقليوبية

**Primary Four** 

**Science Plan 20....../20......** 

**Second Term** 

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
	-Develop models	*Unit	-Brain storming	-	-Oral	-Teacher
	based on observation	Three	-Discovery		questions	notes
	that describe how	Energy &	Experimentation -Solve problems -Peer learnings	نوج		-Student
	every day devices	Fuel	Experimentation	11 de de	-Written	notes
	transform energy.		-Solve problems	ين وعلقة " `	questions	-Lab.
Protecting	-Differentiate	*Chapter	-Peer learning			notes
our planet	between input and output energiesForm model of energy chain on home devices Track the path of energy in some devicesMention the	One	Silont vidoos		-Exercises	-Work
	output energies.		-Shelit videos			sheets
	-Form model of	Devices 3	Andividual learning		-Solve	-Models
	energy chain on	&Energy 10	- Scientific races		problems	of energy
	home devices.	atein	-Technology			chains
	- Track the path of	ctora	- recimology		-Work sheet	
	energy in some ce there		-Sticky notes			
	devices. Science		-Learning games		-Quiz	
	-Mention the					
	consumed and					
	produced energy in					
	some devices					

توجيه عام العلوم لغات بالقليوبية

**Primary Four** 

**Science Plan 20...../20.....** 

**Second Term** 

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
	-Describe the ways of	*Unit	-Brain storming	-Carry out	-Oral	-Teacher
	how fossil fuel is	Three	-Discovery	activities	questions	notes
	formed.		•	show the		-Student
	-Mention the	Energy&	Experimentation	importánce	-Written	notes
Protecting	properties and uses	Fuel	-Solve problems	of fossil fuel	questions	-Lab.
our planet	of fossil fuels&		-Peer learning, significant	and bio fuel		notes
	biofuel		•	-Design a	-Exercises	-Work
	-Deduce the effects of	*Chapter	-Silent videos	model show		sheets
	using fossil fuel on	Two	-Silent videos -Silent videos -Silent videos -Silent videos -Cearning games -Technology	effects of	-Solve	-Student's
	the environment.	inQar	-Learning games	biofuel and	problems	works
	-Classify the	About	-Technology	fossil fuel		
	resources of energy	Fûel		on the	-Work sheet	
	resources of energy into renewable andce the nonrenewable Science		-The Train	environment		
	nonrenewable Scien		-Back in back	-Discuss	-Quiz	
	resources of energy.			some ways	-observing cards	
	-Arrange the steps of			of		
	fossil fuel formation.			conserving		
				fossil fuel.		

توجيه عام العلوم لغات بالقليوبية

**Primary Four** 

**Science Plan 20....../20......** 

**Second Term** 

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
	- Apply scientific	*Unit	-Brain storming	- Carry out	-Oral	-Teacher
	ideas to design model	Three	-Discovery	activities	questions	notes
	of device that show			show the		-Student
	energy	Energy &	Experimentation	111111MATTAINCE.2	<sup>§</sup> Written	notes
	transformation.	Fuel	-Solve problems	of selection of	questions	-Lab.
Protecting	-Explain roles of		-Peer learning	renewable		notes
our planet	renewable resources	Chapter		<b>Pe</b> sources of	-Exercises	-Tablet
	of energy in	Three	-Silent videos	energy.		-Work
	generating electricity.		-Individual learning	- Design	-Solve	sheets
	-Design a model of	Renewable	aluio 4.2-1	models of	problems	-Model of
	water turbine shows	energy NO	-Technology	wind mill,		water mill
	the water cycle.	resources		water mill	-Work sheet	and wind
	-Differentiate	resources	-Learning games	&solar		mill
	Detween old mins and	Mich	-Sticky notes	panel.	- Quiz	
	modern turbines. Science			-Record		
	-Discuss the			evidence as		
	importance and uses			a scientist.		
	of solar panels.					

توجيه عام العلوم لغات بالقليوبية

**Primary Four** 

**Science Plan 20....../20......** 

**Second Term** 

Domains	Learning out comes	Contents	Strategies	Activities	Assessments	Evidence
	-Explain the roles of	*Unit	-Brain storming	-Carry out	-Oral	-Teacher
	water, wind and heat	Four	-Discovery	activities s about &	questions	notes
	in weathering,		Experimentation	about ⊱ 🦳		-Student
	erosion &deposition.	Shifting	1	formation	-Written	notes
Change	-Differentiate	surface	-Solve problems	of sand	questions	-Lab.
and	between mechanical		-Peer learning	dunes &		notes
stability	& chemical		-Silent videos	canyons	-Exercises	-Work
	weathering.	*Chapter	101a			sheets
	-Observe models of	One Oali	Individual learning	- Observe	-Solve	-Albums
	different types of	grate in	-Out door learning	some	problems	•••••
	weathering.	Breaking	-Learning games	photos and		
	-Discuss the properties of howence was and dunes are	down and		videos	-Work sheet	
	properties of how	moving	-play roles	shows		
		rocks		weathering	-Quiz	
	formed.					

Science Inspectorate in Qaluiobia
Science Plan 20......

توجيه عام العلوم لغات بالقليوبية

**Primary Four** 

## **Second Term**

Domains	<b>Learning out comes</b>	Contents	Strategies	Activities	Assessments	Evidence
	-Differentiate	*Unit	-Brain storming	- Carry out	-Oral	-Teacher
	between slowly and	Four	-Discovery	activities	questions	notes
	quickly change of			show the Jornation		-Student
Change	landscape.	Shifting	Experimentation	formation	-Written	notes
and	-Design a model	surface	-Solve problems	of (canyons,	questions	-Lab.
Stability	shows the formation		-Peer learning	sand dunes,		notes
	of delta.			rocks,	-Exercises	-Work
	-Describe the	*Chapter	ashent videos	delta)		sheets
	interactions between	Twaline	-Individual learning	-Design a	-Solve	-Albums
	water and lands form	ratein	Silent videos -Individual learning - 4-2-1 -Technology	model	problems	-Student's
	in a watershed.	Changing	-Technology	differentiates		works
	ace Inst	landscape	recimology	between	-Work sheet	
	-Explain the science		-Learning games	valley and		
	in a watershed.  -Explain the Science Inspector formation of rocks		-Ice balls	delta	-Quiz	

Teacher School principal Super visor Inspector