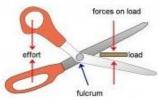
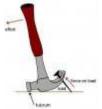
Fayol Inc. 0547824419

TERM THREE WEEKLY LESSON NOTES WEEK 6

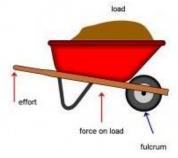
Week Ending: 21st OCT, 2022 Duration: 100mins Class: B7 Content Standard: B7.4.4.2 Recognize some simple understanding of their efficiency Performance Indicator: Learners can describe the types References: Science Curriculum	Class Size: machines, and show in doing work. and functions of levers	Indicator: B7.4.4.2.3 Know work inpefficiency as they apply to		
Class: B7 Content Standard: B7.4.4.2 Recognize some simple understanding of their efficiency Performance Indicator: Learners can describe the types	machines, and show in doing work.	Indicator: B7.4.4.2.3 Know work inpefficiency as they apply to	Sub Strand: Simple out, and output and	Machine
Content Standard: B7.4.4.2 Recognize some simple understanding of their efficiency Performance Indicator: Learners can describe the types	machines, and show in doing work.	Indicator: B7.4.4.2.3 Know work inpefficiency as they apply to	out, and output and	
B7.4.4.2 Recognize some simple understanding of their efficiency Performance Indicator: Learners can describe the types	in doing work.	B7.4.4.2.3 Know work inpefficiency as they apply to		Lesson:
Learners can describe the types				I of 2
, .			DL 5.3: CI 6.8: DL	
References: Science Curricului	m rg. 38-37	•	DL 5.3: CI 6.8: DL	5.1: CI 6.6:
				1
New words: Pulley, lever, mac	nine, efficiency, fulcrum	, force, weight, moments,	watts, work input, wo	ork, output
Phase/Duration Lear	ners Activities			Resources
PHASE I: STARTER Revi	se with learners on t	he previous lesson.		
Shar	e learning indicators	and introduce the lesson		
Lear Exar Guid Lear The dista dista need	rners give examples of mples bottle opener, de learners to identify. The effort is the load (weight). The load is weight. The pivot is the formers to note that; distance from the pivon the pivon the control of the control of the load and the pivon the load and	which rotate at a certain for lever and relate to there a pair of scissors and where a pair of scissors and where and discuss the parts of force applied to the leveral which is to be lifted. Fixed point about which the pivot to the load is pivot is to the load; the leveral to Fixed which the load;	n. eelbarrow. Flever. To lift the he lever rotates. the effort s called the load ess force is	Seesaw, crowbar, a pair of scissors, wheel barrow, shovel, spoon, pliers, knife

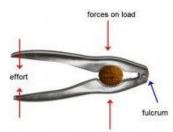
a pair of scissors, see-saw, pliers, pick axe, shovel, crowbar, shears, and claw hammer





 Second class lever In a second-class lever, the load(L) is between the pivot(P) and the effort (E). Examples of second class levers are wheel barrow, nutcracker and bottle opener





 Third class lever In a third-class lever, the effort(E) is between the pivot (P) and the load (L). Examples of third class levers are cutlass, hoe, forceps, fishing rod, sugar tongs, nail clippers, forearm of a human body, etc.



<u>Assessment</u>

Explain how levers function as simple machines

PHASE 3: REFLECTION

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

Take feedback from learners and summarize the lesson.

<u>Homework</u>

Find out why the efficiency of simple machines is less than 100%...

Week Ending: 21st OCT	, 2022 I	DAY:		Subject: Science	
Duration: 100mins			Strand: Forces & E	nergy	
Class: B7	Class Size: Sub S		Sub Strand: Simple	Strand: Simple Machine	
Content Standard: B7.4.4.2 Recognize some understanding of their effi	ciency in doir		Indicator: B7.4.4.2.3 Know work in efficiency as they apply t		Lesson: 2 of 2
Performance Indicator Learners can explain the r efficiency as they apply to	elationship b	etween work inp	out, and output and	Core Competer DL 5.3: Cl 6.8: DL	
References: Science Cu	ırriculum Pg	g. 38-39			
New words: Pulley, lever	r, machine, ef	fficiency, fulcrum	, force, weight , moments	s, watts, work input, w	vork, output
DI /D ::		A • • . •			
Phase/Duration PHASE I: STARTER	Learners A		he previous lesson.		Resources
THASE I. STARTER			and introduce the lesso	n.	
PHASE 2: NEW LEARNING	and efficier Wo mu Wo Wo The bee I. I. 3 Eff out Guide lear work outp Ma Eff Guide lear The efficiency the input end I. friction be 2. gravitation 3. air resista In groups, be improve the decomposed	ncy. York input is the work in achine. The work in altiplying the effort or output is the work out put = load e output of a machine is entered to the work in a machine to the work in a machine to work in a machine to work in a machine is ergy is used to over the efficiency of a machine is ergy is used to over the efficiency entered (e.g. by oiling upon the efficiency of a work in a machine is ergy is used to over the efficiency entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered (e.g. by oiling upon the efficiency crease friction by or a machine is entered in the machine in the machine in the machine is entered in the machine in the mac	ine is defined as the ratio of input expressed as a percent of the efficiency of a mach ut expressed as a percent of the efficiency = $\frac{\text{Work output}}{\text{Work input}}$ $\frac{\text{X distance moved by load}}{\text{X distance moved by effort}}$ of the concept of efficiency always less than 100% becomes the expression of the exp	ed on a hematically by he effort ine. oad. at energy come The work tage hine as the ratio of entage. x 100% x 100% cy of a machine. ause some or part of on the part of	Seesaw, crowbar, a pair of scissors, wheel barrow, shovel, spoon, pliers, knife

	<u>Assessment</u>	
	I. Explain how levers function as simple machines.	
	2. Find out why the efficiency of simple machines is less than 100%.	
PHASE 3:	Use peer discussion and effective questioning to find out from	
REFLECTION	learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	